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Cavalier, C.

1967.

catalogue

#1-#1074

calif.

costa Rica

Panama

Identification of bird skins and skeletons
of acc# 10701 (Costa Rica) and acc. # 10712
(Panama) added 2-8-71.

C. Carhart

Similarly with MAMMALS

2-11-71 L. Kishler

Same with reptiles and amphibians

2-16-71 J. Edwards

Grizzly Island, Salinas Co. Calif.

April 3, 1967

1. ♂ Redwing blackbird testis 11 mm. 60g.

3 mi W. Lindsay, Tulare Co. Calif

June 14, 1967

2. ♀ Brewer blackbird . ova 6 mm 51g.
brood patch
3. ♀ Brewer blackbird ova 5 mm 54.5g.
4. ♂ Brewer blackbird testis 3 mm 65.6g
5. ♂ Brewer blackbird testis 11 mm ~~65.5g~~
6. ♂ Brewer blackbird testis 11 mm 70g.

Original stock from Boone Co., Missouri

June 28, 1967

ACC 10678

VERY FAT

- 7 ♀ Microtus OCHROGASTER 6emb x 9mm 151-33-16-12 = 56g
8 ♂ " " " " 159-41-19-11 73g
9. ♂ " " " " 155-40-19-12 62.2g
10. ♂ " " " " 150-33-17-12 53g
11. ♂ " " " " 160-31-20-13 55g
12. ♀ " " " " 140-30-18-12 39g
13. ♂ " " " " 168-42-21-13 74g
14. ♂ " " " " 145-30-19-11 51.5g
15. ♀ " " " " NO FRONT LEGS 142-30-17-11 45g
16 ♀ " " " " 154-(31)-19-11 62.5g

Los Diamantes Farm 10 mi S.E. Guapiles, LimonProv. Costa Rica

300 meters (alt)

July 23, 1967

- 17 ♀ Colonia colonus fleuronotus ovary 1 mm 14g.
18 ♀ Lepidocolaptes souleyetii compressus S.C. ova truncate, not lat. 28g
19 ♀ Pitangus sulfuratus guatemalensis ova 1 mm not lat 66g

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Los Diamantes Farm 1 mi S.E. Guapiles, Limon
Prov., Costa Rica alt 300 meters

July 23, 1967

20 ♂ ^{Crotophaga sulcirostris sulcirostris} ~~Gravedilled Ani~~ (Gravedilled Ani) S.O. no fat testis 10x6 mm 78g

21 *Crotophaga sulcirostris* alcoholic 86g

Forest w of Rio Tarro Amarillo Bridge; 4 mi. W. Guapiles
Limon Prov., Costa Rica

July 24, 1967

22 ♂ *Caecus uropygialis* *microsynchus* S.O. no fat S.O. testis 8x10 76g

23 ♀ *Caecus uropygialis* *microsynchus* S. 3/4 O. no fat ova 9x9 59g

24 ♀ *Lepidocolaptes souleyetii* *compressus* S. 1/4 O. no fat ovary 2mm 27g

25 *Basiliscus basiliscus* 31g

26 ♀ largest ovum 1mm alcoholic 31g

~~27 ♀~~ ~~ovary granular - alcoholic 16g~~

27 ♂ testis 3x4 alcoholic 11g

28 ♀ ova minute alcoholic 37g

29 ♂ *Thryothorus thoracicus* testis 3x5 mm not fat 18g

30 ♂ *Myiobius sulphureopygius* *aureatus* S.O. no fat molting 12g

Los Diamantes Farm 1 mi S.E. Guapiles, Limon Prov., Costa Rica
July 25, 1967

31 ♀ granular ovary 9.5mm alcoholic 16g

32 ♂ testis 11x4 alcoholic 74g

33 ♂ *Pitangus sulphuratus* *guatemalensis* male 34 no fat molting S.O. molting testis 7x3 70.5g

34 ♀ *Pitangus sulphuratus* *guatemalensis* female 33 molting S. 1/2 O. no fat ovary 2mm 75.9g

35 ♂ *Arremon aurantivestris* *rufigularis* testis 13x9, S.O. no fat 30.5

36 ♀ *Pionus senilis* *decoloratus* S.O. FAT largest ovum 1.5mm molting 220.5g

37 ♀ *Manacus candei* S.O. not fat largest ovum 5x6mm 21g

38 ? *Phaethornis longuemareus* *saturatus* S. 1/4 O. no fat 2.2g

39 ♂ *Pionus senilis* *decoloratus* molt FAT S.O. testes 4 1/2 x 1mm 237g

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Los Diamantes Farm, 1 mi SE. Guapiles, Limon Prov. Costa Rica

July 26, 1967

40. ♀ molt ovary granular alcoholic 3g.
41 ♂ molt testis 7x3 mm alcoholic 69.5g
42 ♂ *Columbagallina talpacoti rufipennis* no fat molt test 8x4 mm S.O. 42.5g
43 ? *Phaethornis longuemaneus saturatus* SNO no fat 2.5g
44 ♂ *Cyanocompsa cyanoides caeruleus* molt testis 6x7 mm S.O. no fat 33.8g
45 ♀ *Habia fuscicauda fuscicauda* molt ovary minute S.O. no fat 35.8g
46 ♂ *Gymnostinops montezuma* molt testis 15x6 mm S³/5 O. no fat 245.5g

July 27

- 47 ♂ *Ramphocelus passerinii passerinii* testis 11x7 S.O. little fat 37g.
skeleton 48 ♀ *identif. not certain - put in Dept. Zool. Collect.* molt ovary granular no fat 49.5g
49 ♂ *Lepidocolaptes souleyetii compressus* molt testis 6x3 1/2 S.O. no fat 32.5g
50 ♂ *Centurus pucherani pucherani* 5x4 mm molt testis ~~5x4~~ S.O. no fat 68.8g
51 ♂ *Cacicus uropygialis microrhynchus* molt testis 9x6 mm S.O. no fat 70.2g
52 ♂ *Nyctidromis albicollis intercedens* molt testis 6x2 S.O. no fat 68.2g
53 ? *Sylvilagus brasiliensis gabbi* "P" 8-39-24 no fat 63g
54 ? *Sylvilagus brasiliensis gabbi* 138-8-34-22 no fat 62.5g
skeleton 55 ♀ *Sylvilagus brasiliensis gabbi* ovary minute 136-7-38-21 no fat 49.5g

July 28

- 56 ♀ *Manacus candei* largest 1 mm no mol ovum no fat 5.0 16.5g
57 ♂ *Tachyphonus rufus* molt testis 8x5 mm S.O. no fat 34.5g

July 29

- 58 *Managra gouldi* gouldi molt testis 5x3 mm S³/5 O. no fat 72g.
59 ♂ *Sporophila aurita corvina* testis 6x7 mm S.O. no fat 12g
60 ♂ *Clavaria pretiosa* testis 12x5 1/2 S⁷/8 O. no fat 78.5g
skeleton 61 ♂ *Crotophaga sulcirostris* molt testis 6x4 mm S. 6 no fat 82.5g
skeleton 62 ♂ *identif. not certain* put in Dept. Zool. collection molt testis 4x1 mm S.O. FAT 209g.

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Las Diamantas Farm 1 mi SE Guapiles, Limón Prov., Costa Rica

July 29 (cont)

- 63 ♂ *Gymnostrops montezuma* S.O. testes 16×3 mm molt no fat 237g
64 ♀ *Manacus candei* S.O. ovary minute molt no fat 15.5g
65 ♂ *Lepidocolaptes souleyetti compressus* S. 30. testes $1\frac{1}{4}$ mm no fat 27g
skeleton 66 ♂ *Psittorhynchus morio*? testes 3 mm molt no fat 251g

1.5 mi S Cariblanco, Heredia Prov. Costa Rica 2800ft

August 2, 1967

- 67 ♀ *Chlorophanes spiza arguta* SNO ovary minute molt no fat 19.7g
68 ♀ *Xenops minutus ridgwayi* S. 60 ovary minute no fat 12.5g
69 ♂ *Leptopogon superciliosus hellmayri* S. 30. testes 1.5 mm no fat 11.5g
70 ♀ *Chlorospingus ophthalmicus regionalis* SNO ovary 1 mm molt no fat 21g
71 ? *Lysurus crassirostris* S.O. molt no fat 37g
72 ♂ *Phlogothraupis sanguinolenta aprica* S. 20. testes 6×4 mm molt no fat 41g
73 *Eupemphix pustulosus*

August 3, 1967

- 74 ♂ *Cyanerpes lucidus isthmicus* S.O. testes 5×4 mm no fat 12g.

August 4, 1967

- 75 ♂ *Cyanolyca cucullata cucullata* S. 20 testes 1 mm molt no fat 88.5g
76 ? *Chlorospingus ophthalmicus regionalis* S. 60 — molt no fat 20g.
77 ♀ *Lysurus crassirostris* S.O. ovary minute molt no fat 32.5g
78 ? *Piranga leucoptera latissciata* SNO molt no fat 16.5g
79 ♀ *Myioborus miniatus comptus* S. 60 ovary minute no fat 9.2g
80 ♂ *Carollia perspicillata azteca* 42 - $6\frac{1}{2}$ mm testes 5×7 mm no fat 21.5g
81 ♂ *Piaya cayana thermophila* S.O. testes 1.5 mm MOLT no fat 9.5g
82 ♂ *Cyanolyca cucullata cucullata* S.O. testes 1 mm molt no fat 90.3g

August 5, 1967

- 83 ♂ *Coereba flaveola mexicana* S. 40 testes 4×7 mm no fat 9.52g
84 ? *Mitrephanes phaeocercus aurantiiventris* S.O. molt no fat 9g.

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2 mi S.E. Cariblanco, Heredia Prov. Costa Rica 3000 ft

August 5, 1967

85. ♂ *Tangara gyrola bangsi* some fat SNO testes 1x2 mm 25.5g
86. ♂ *SCIURUS granatensis hoffmanni* testis 3.5x1.5 mm 286g.
~~*Tangara gyrola bangsi*~~ 360-16-56-24
86. ♀ *Tangara gyrola bangsi* some fat SNO ovaries minute molt 25g.
87. ♂ *Tanagra amerea amerea* no fat SNO testes 1x2 15.5g
alcoholic 88. ♀ *Tanagra amerea amerea* ova minute 20. g.

1.5 mi S. Cariblanco, Heredia Prov. Costa Rica 2800 ft

August 5, 1967

89. ♀ *Cyanolyca cucullata cucullata* no fat ova minute molt 80.5g
alcoholic 90. ♀ *Cyanolyca cucullata cucullata* ova minute 7.5g
alcoholic 91. ♂ *Cyanolyca cucullata cucullata* testes 1 mm 8.5g
92. ♀ *Thalurania furcata venusta* no fat SNO ova minute molt 4.5g
alcoholic 93. ♀ *Thalurania furcata venusta* ova minute 3.8g
94. ♀ *Heliodoxa jacula henryi* no fat SNO largest ova 1 mm 7.8g.
95. ♀ *Phaethornis guy cornutus* no fat SNO ova minute molt 5.9g

2 mi S.E. Cariblanco, Heredia Prov. Costa Rica 3000 ft

August 5, 1967

96. *Eleutherodactylus* sp.
97. *Gonatodes* sp.

1.5 mi S Cariblanco, Heredia Prov. Costa Rica 2800

August 5, 1967

98. ♂ *Sturnia ludovici* ing testes 3x3 mm 21.2g
99. *Sturnia ludovici* 66-14-17/44-8 7.1g
100. ♂(?) *Carollia perspicillata azteca* 67-9-13-17.5/36-5 13.9g
101. ♂ *ORYZOMYS devius* 213-113-30-19/ testes 6x2 mm 28.5g.
102. ♀ *ORYZOMYS fulvescens (costaricensis?)* lactating FAT 214-129-21-12.5 20.2g
alcoholic 109. *ORYZOMYS* 180-82-30-20 31.5g

Catalogue

1.5 mi^s Cariblanco, Heredia Prov. Costa Rica 2800 ft

August 6

- see pg 5. 99 ? *Thalurania furcata venusta* SNO no fat molt 4.1g
103 ♂ *Myioborus miniatus comptus* SNO no fat testes 1mm 9.2g

August 7

- 104 ♂ *Carollia perspicillata azteca* 76-10-7-21 / 45-8 tests 3x6mm 24g
105 ♂ *Myioborus miniatus comptus* 50 no fat tests 1mm molt 9.8g
106 *Thalurania furcata venusta* SNO no fat tests minute molt 4.9g
107 ♀ *Turdus fumigatus obsoletus* 50. no fat ovaries minute molt 4.8g
108 ♂ *Coereba flaveola mexicana* 50. no fat tests 4x7mm 9.8g

alcoholic 109 see August 5, 1967 page 5

- 110 ♂ *Chlorospingus ophthalmicus* ^{regionalis} 50 no fat & tests 2x4mm 21.9g
111 ♂ *Tangara icterocephala frantzii* 50 no fat tests 7x9mm 22g

August 8

- 112 ♀ *Trogon collaris puella* 50. no fat ovaries minute MOLT 63.9
113 ♂ *Orizomys fulvescens (costaricensis?)* 77-105-22-24 testes 4x6mm 12g
114 ♀ *Peromyscus nudipes* 240-125-25-21 lactating 48.8g
115 ♀ *Coereba flaveola mexicana* S¹/₂ O little fat largest ov 1mm 9.2g
116 ♀ *Tanager annae annae* SNO no fat ovaries minute 14.1g
117 molt 2.1g
118 ♀ *Myioborus miniatus comptus* 30 no fat ovaries minute molt 9g

August 9

- 119 ♂ *Vampyressa throni* 43- -9-15 / 30-6 tests 2x4mm 7.9g
120 ♀ *Orizomys devius* 248-139-34-21 lactating ovary 6x2mm 48.5g

1/2 mi SE of Finca Jenering, Guanacaste Prov. Costa Rica

August 11

- 121 ♀ *Lepidocolaptes souleyeti* ^{compressus} S.O. molt, no fat, brood patch largest ov 2x3mm 28.2g
122 ♂ *Volatina jacarina splendens* S¹/₂ O no fat tests 5x4mm 8.4g

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1/2 mi S.E. of

Finca Jimenez, Guanacaste Prov. Costa Rica

34 feet

~~August 11~~

August 11, 1967

123 ♂ Polioptila albiloris albiloris S.O. molt no fat testes 5x4mm 6.1g

124 ♂ Columbagallina passerina ^{neglecta} S.O. molt ~~no~~ fat testes 8x4mm 42.1g

125 ♀ Columbagallina passerina ^{neglecta} S.O. molt fat ovum visible 31.2g

August 12, 1967

126 ♀ Sigmodon hispidus borucae 157-89-29-19 ovary 5x2mm 51.5g

~~skelton~~ 127 ♀ Bufo marinus

128 ♀ Megarhynchus pitangua mexicanus ^{mate #125} S.O. molt little fat ^{largest} ovum 2mm ± 64g

129 ♂ Megarhynchus pitangua mexicanus ^{mate #128} S.O. molt little fat testes 15x8mm 72g

alcoholic 130

131 ♂ Hylophilus decurtatus pallidus S³40. no fat testes 5x7mm 9.1g

alcoholic 132

alcoholic 133

134 ♂ Volatina jacarina splendens S.O. no fat testes 4x5mm 8.3g

134 Volatina jacarina splendens S.O. no fat testes 5x4mm 8.2g

135 ♂ Sporophila torqueola morelleti S.O. no fat testes 5x6mm 8.2g

August 13, 1967

136 ♂ ~~Sporophila~~ Volatina jacarina splendens S.O. no fat testes 3x6mm 8.3g

137 ♂ Myiopagis viridicincta accola S.O. molt no fat testes 7x5mm 14g

138 ♀ Todirostrum cinereum finitimum ^{1/2} S.O. molt ^{little} fat ^{ovum} visible 6.1g

139 ♀ Buteo magnirostris petulans S.O. little fat ^{largest} ovum 1mm 297g

At Finca Jimenez, Guanacaste Prov. Costa Rica

August 13, 1967

alcoholic 140

141 ♂ Columbagallina passerina neglecta S.O. molt mod fat. testes 5x8mm 38.5g

142 ♂ Cyanerpes cyaneus carneipes S²30 mod. fat testes 6x8mm 13g

143 ♂ Cyanerpes cyaneus carneipes S.O. mod fat testes 5x8mm 15.8g

144 ♂ Volatinia jacarina splendens S.O. no fat testes 5x6mm 12g

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Finca Timenez, Guanacaste Prov. Costa Rica
August 14, 1967

- 145 ♀ *Liomys salvini vulcani* ²²¹~~114~~ - 114-27-15 ^{ovary} 3x1.5mm 46g.
- 146 ♂ *Tanagra lanta*? proba S.O. some fat molt testes 1x2mm 17.9g
- 147 ♂ *Campylorhynchus rufimucha capistratus* S¹/₂0 no fat testes 3x5mm 37g
- 148 ♂ *Amophilus rubicauda rubicauda* S³/₄0 some fat test ^{5x7}~~5x7~~mm ± 33g
- 149 ♂ *Volatinia jacarina splendens* S.O. no fat testes 5x6mm 9g.
- 150 ♂ *Nyctidromus albicollis intercedens* S.O. no fat molt testes 5x2mm ± 56g
- 151 ♂ *Tyto alba guatemalae* S.O. no fat molt testes 10x1mm -

August 15

- 152 ♂ *Liomys salvini vulcani* ^{some fat} 254-120-29-15 testes 43x¹¹mm 61.5g

alcoholic 153 78g
alcoholic 154 72g
alcoholic 155 32.1g
alcoholic 156 44g
alcoholic 157 6g.

August 16

alcoholic 158 4g
alcoholic 159 8.2g
alcoholic 160 8.4g
alcoholic 161 8.2g

August 17

- 162 ♀ *Myiopagis viridicata accola* ^{guianensis} S¹/₂0. S¹/₂ little fat molt ovar 1mm 13.1g.
- 163 ♂ *Myiarchus nuttingi nuttingi* S.O. no fat molt testes 4x1mm
- 164 ♂ *Campylorhynchus rufimucha* ^{capistratus} S³/₄0. no fat testes 5x4mm 36.1g
- 165 ♂ *Hypomorphnus urubitinga ridgwayi* S.O. no fat molt testes 10x2mm

alcoholic 164 11g.

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Finca Jimenez, Guanacaste Prov. Costa Rica

August 18

- 167 ♂ ^{erophyus} ~~Morococcyx~~ erythropygus ^{erophyus} S¹/₂0. molt no fat testes 5x3mm 65g.
168 ♀ Centurus hoffmanni S.O. no fat ovum minute 63g.
169 ♀ Aratinga canicularis canicularis S³/₄0. no fat ^{largest} ovum 1mm 82.1g.
170 ♂ Centurus hoffmanni S³/₄0. no fat testes 2x1mm 76.5g.
171 ♂ Sporophila torqueola moreletii S.O. no fat testes 5x8mm 9.5g.
172 ♂ Tyto alba guatemalae S.O. molt ^{mod} fat testes 10x2mm —

1 mi S.E. of Finca ~~Jimenez~~ Jimenez, Guanacaste Prov. ^{Costa} Rica

August 19

- 173 ♀ Heterocercus mexicanum mexicanum no fat ^{6x4mm} largest ovum —
174 — 20g
175 ♀ Alouatta villosa palliata 625-344-94-31 ^{ovary} 4x1mm —
176 — 8.1g

~~177~~ Villa Mills 5.1 mi SE Cerro de la Muerta, Cartago Prov. Costa Rica

August 25

- 177 ♂ ^{Turdus nigrescens} ~~Turdus nigrescens~~ S.O. no fat testes 2x1mm 97.5g

August 26

- 178 ♂ ^{Chlorospingus pileatus} ~~Chlorospingus~~ pileatus pileatus S.O. molt no fat testes 5x7mm 21.5g
179 ♂ Chlorospingus pileatus pileatus SNO molt little fat testes 1x1/2mm 20.5g
180 ♂ Chlorospingus pileatus pileatus S.O. molt little fat testes 2x4mm 23g
181 ♂ ^{Stom} Chlorospingus pileatus pileatus S¹/₂0. molt little fat testes 5x4mm 19.5g
182 ♂ Reithrodontomys creper 197-120-23-18 no fat testes 6x3mm 13.8g

- alcoholic 183 — 28.9g
alcoholic 184 — 28.5g
185 ♀ ^{Junco} ~~Junco~~ vulcani S¹/₂0. little fat ovum 1mm 27.5g
alcoholic 186 Scotinomys (longipilosus?) 146-69-22-16 — 27.5g
187 ♂ ^{Turdus nigrescens} ~~Turdus nigrescens~~ S.O. little fat molt ovum minute 103.5g

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Villa Mills 5.1 mi SE Cerro de la Muerte, Cartago Prov. Costa Rica

August 26 (cont)

188 ♂ *Catharus gracilirostris* *gracilirostris* 5 3/40. no fat molt testis 1 mm 21.8g

alcoholic 189

2.1g

190 ♂ *Notiochelidon cyanoleuca* *cyanoleuca* SNO no fat testis 1 x 1/2 mm 8.5g

191 ♂ *Junco vulcani* S.O. little fat testis 5 x 4 mm 27.8g

Linda Vista Nursery, Dulce Nombre, Cartago Prov. Costa Rica

August 25

192 ♂ *Melospiza bicincta* *bicincta* S.O. no fat molt testis 4 x 8 mm 26.5g

193 ♀ *Zonotrichia capensis costaricensis* S.O. no fat largest ova 1 mm 17.9g

Villa Mills 5.1 mi SE Cerro de la Muerte, Cartago Prov. Costa Rica

August 27

194 ♀ *Zonotrichia capensis costaricensis* S.O. some fat largest ova 1.5 mm 21.9g

195 ♂ *Diglossa plumbea plumbea* 5 3/40. some fat testis 4 x 6 mm 9.3g

196 ♂ *Scirpus granatensis hoffmanni* 359-174-51-26 abdominal testis 4 x 8 mm 237g

197 ♂ *Catharus gracilirostris* *gracilirostris* 5 3/40. molt no fat testis 2 x 1/2 mm 22g.

198 ♀ *Eugenes fulgens spectabilis* SNO no fat largest ova 1 mm 8g.

199 ♂ *Pantherpe insignis* SNO little fat testis 2 x 2 mm 5.9g.

August 28

200 ♂ *Peromyscus mexicanus (saxatilis?)* 230-113-27-24 little fat testes 18 x 7 mm 52.3g

201 ♀ *Peromyscus mexicanus (saxatilis?)* 249-125-28-24 little fat ova minute 47.9g

202 ♂ *Zonotrichia capensis costaricensis* S.O. no fat testis 3 x 6 mm 22g

203 ♂ *Zonotrichia capensis costaricensis* S.O. little fat testis 5 x 9 mm 21.9g

204 ♂ *Pezopetes capitalis* SNO little fat testes minute 8.2g

205 ♂ *Pezopetes capitalis* S.O. molt little fat testis 3 x 4 mm 58.2g

206 ♂ *Pezopetes capitalis* S.O. little fat testis 9 x 5 mm 56g.

207 ♀ *Turdus nigriscens* S.O. molt no fat ova minute 97.9g

208 ♂ *Scotinomys (longipilosus?)* 143-69-20-16 testis 4 x 6 mm 16.3g

August 29

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Yaviza, Darien Prov., Panama
September 12

alcoholic 209 ? *Amastrix* sp.

~~210~~ September 13

alcoholic 210 ? *Bothrops atrox*

alcoholic 211 [*Columbina talpacoti* REJ]

alcoholic 212 *Bufo marinus*
Rio Pirre, 4 km SW, El Real, Darien Prov., Rep de Panama
September 14

alcoholic 213

214 ? *Pionopsitta haematotis* ^{haematotis} *coccini collis* S.O. molt fat

215 ? " " " S.O. fat

216 ? *Pteroglossus torquatus* *torquatus* S.O. molt no fat

217 ♀ *Phalacrocorax o. olivaceus* *ovamanti* S.O. little fat

218 ♂ *Florida caerulea* *testes* 4x3 5/8 cm little fat

alcoholic 219 [*Actitis macularia* REJ]
Yaviza, Darien Prov., Rep. de Panama

alcoholic 220 *Bothrops atrox*

September 15

alcoholic 221 *Basiliscus basiliscus*

alcoholic 222 "

alcoholic 223 "

alcoholic 224 "

alcoholic 225 ♂ *Cnemidophorus lemniscatus*

alcoholic 226 ♂ "

alcoholic 227 ♂ "

alcoholic 228 ♂ "

alcoholic 229 ♂ *Cnemidophorus lemniscatus*

alcoholic 230 "

alcoholic 231 "

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Zaviza, Darien Prov. Rep. de Panama
September 15 (cont)

- alcoholic 232 ♂ *Cnemidophorus lemniscatus*
alcoholic 233 " "
alcoholic 234 ♂ " "
alcoholic 235 " "
alcoholic 236 " "
alcoholic 237 " "
alcoholic 238 " "
alcoholic 239 " "
alcoholic 240 " "
alcoholic 241 " "
alcoholic 242 " "
alcoholic 243 *Basiliscus basiliscus*
alcoholic 244 *Mabuya mabouya*
alcoholic 245 *Cnemidophorus lemniscatus*
alcoholic 246 " "

247 ♀ *Casmerodius albus egretta* ex mono S.O. no fat

September 16

248

~~(248)~~ 7⁰⁰ AM Rio Chucunaque

- alcoholic 249 *Cnemidophorus lemniscatus*
alcoholic 250 " "
alcoholic 251 *Cnemidophorus lemniscatus*
alcoholic 252 " "
alcoholic 253 " "
alcoholic 254 " "
alcoholic 255 " "
alcoholic 256 " "

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Yaviza, Darien Prov., Rep. de Panama
September 16 cont.

- | | | |
|---------------|--|---------------------------------------|
| alcoholic 257 | Cnemidophorus lemniscatus | |
| alcoholic 258 | " | " |
| alcoholic 259 | " | " |
| alcoholic 260 | " | " |
| alcoholic 261 | " | " |
| alcoholic 262 | " | " |
| alcoholic 263 | | |
| alcoholic 264 | | |
| alcoholic 265 | | |
| 266 | DASYPTERUS ega panamensis | 128-68-18-15/50-8 |
| 267 | ♀(?) Uroderma bilobatum ^{bilobatum} | 61- - 12-17/41-6 P.S. |
| 268 | ♂ Uroderma bilobatum bilobatum | 57- - 10-17/40-6 acrotist 3x5 mm P.S. |
| alcoholic 269 | Uroderma bilobatum bilobatum | |
| alcoholic 270 | Uroderma bilobatum bilobatum | |
| alcoholic 271 | Bufo marinus | |
| alcoholic 272 | Uroderma bilobatum bilobatum | P.S. |
| alcoholic 273 | Uroderma bilobatum bilobatum | |
| alcoholic 274 | Uroderma bilobatum bilobatum | |
| alcoholic 275 | Cnemidophorus lemniscatus | |
| alcoholic 276 | Bufo marinus | |
| alcoholic 277 | Cnemidophorus lemniscatus | |
| alcoholic 278 | Cnemidophorus lemniscatus | |
| alcoholic 279 | " | " |
| alcoholic 280 | " | " |
| alcoholic 281 | Basiliscus basiliscus | |
| alcoholic 282 | " | " |

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Catalogue

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garuja, Darien Prov., Rep de Panama

Sept 16 cont.

alcoholic 283	Basiliscus basiliscus
alcoholic 284	Cnemidophorus lemniscatus
alcoholic 285	" "
alcoholic 286	" "
alcoholic 287	" "
alcoholic 288	" "
alcoholic 289	" "
alcoholic 290	Basiliscus basiliscus
alcoholic 291	Cnemidophorus lemniscatus
alcoholic 292	" "
alcoholic 293	" "
alcoholic 294	" "
alcoholic 295	" "
alcoholic 296	" "
alcoholic 297	Gonatodes sp.
alcoholic 298	" "
alcoholic 299	" "
alcoholic 300	" "
alcoholic 301	Basiliscus basiliscus
alcoholic 302	Gonatodes sp.
alcoholic 303	" "
alcoholic 304	" "
alcoholic 305	" "
alcoholic 306	" "
alcoholic 307	" "
alcoholic 308	" "
alcoholic 309	" "

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Catalogue

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Yariza, Darien Prov., Rep de Panama

Sept 16th cont

- alcoholic 310 Gonatodes sp.
alcoholic 311 Cnemidophorus lemniscatus
alcoholic 312 Gonatodes sp.
alcoholic 313 " "
alcoholic 314 " "
alcoholic 315 " "
alcoholic 316 " "
alcoholic 317 " "
318 Basiliscus basiliscus
319 Gonatodes sp.
320 " "

September 17th

- skeleton 321 ♂ Momotus momota s.o. molt, no fat testis 2x1mm
skull + skin 322 ♂ Spilotes pullatus molt no fat
alcoholic 333 ♀ Leptodeira annulata rhombifera (?) molt 8 eggs (?)
skeleton 334 ♂ no fat testis 7x3mm

September 18

in alcohol 335

September 17th

- alcoholic 336 Myotis (w)
alcoholic 337 Cnemidophorus lemniscatus
alcoholic 338 Cnemidophorus lemniscatus
alcoholic 339 " "
alcoholic 340 Basiliscus basiliscus
alcoholic 341 Cnemidophorus lemniscatus
alcoholic 342 " "
alcoholic 343 Gonatodes sp.

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14

Yareza, Darien Prov., Rep de Panama

Sept 17th cont

- alcoholic 344 Gonatodes sp.
alcoholic 345 "
alcoholic 346 "
alcoholic 347 "
alcoholic 348 Cnemidophorus lemniscatus

September 18

- alcoholic 349 Myotis
alcoholic 350 "
alcoholic 351 "
alcoholic 352 "
alcoholic 353 "
354 ♀ Glaucois hirsuta affinis 5/80, no fat, malt, large ovate 1mm
alcoholic 355 [Sporophila aurita] RS.
356 ♀ Butoroides virescens maculatus no fat ova minute
357 ♂ Uroderma bilobatum bilobatum 57- - 10-17- / 40-6 testes 3x4mm
358 ♂ Volatinia jacarina splendens no fat testes 4x6
skelton 359 no fat testes 4x5
alcoholic 360 [Volatinia jacarina G.T.]
361 ♂ Glossophaga soricina leachii 64-9-9-15/33-4 testes 4x6mm
362 ♂ Uroderma bilobatum bilobatum 57- - 9-18 / 42-6 testes 4x5mm
alcoholic 363 Gonatodes sp.
alcoholic 364 "
alcoholic 365 "
alcoholic 366 "
alcoholic 367 "
alcoholic 368 "
alcoholic 369 "

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Catalogue
Yaruga, Darien Prov., Rep de Panama

17

Sept 18th cont

alcoholic 370	Gonatodes	59
alcoholic 371	"	"
alcoholic 372	"	"
alcoholic 373	"	"
alcoholic 374	"	"
alcoholic 375	"	"
alcoholic 376	"	"
alcoholic 377	"	"
alcoholic 378	"	"
alcoholic 379	"	"
alcoholic 380	"	"
alcoholic 381	"	"
alcoholic 382	"	"
alcoholic 383	"	"
alcoholic 384	"	"
alcoholic 385	"	"
alcoholic 386	"	"
alcoholic 387	"	"

Sept 19th

alcoholic 388	Glossophaga soricina leachii	
alcoholic 389	Glossophaga soricina leachii	
alcoholic 390	[Sporophila aurita aurita REJ]	
alcoholic 391	[Sporophila aurita aurita REJ]	
alcoholic 392	Uroderma bilobatum bilobatum	
alcoholic 393	Uroderma bilobatum bilobatum	
394 ♂	Rhaphocelus flammigerus	icteronotus S.O. no fat, molt, testes 9x4 mm
395 ♂	"	" JNO ^{little} no fat testes 2x1 mm

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Catalogue
Yaviza, Darien Prov., Rep de Panama

Sept 19th cont

396 ♂ *Dasypterus ega panamensis* 110-51-9-17 / 45-7 testis 4x2 mm

397

alcoholic 398

skeleton 399

Sporophila sp? ID uncertain - put in Dept. Zool. coll.

alcoholic 400

[*Sporophila aurita aurita* REJ]

401

Empidonax minimus

alcoholic 402

[*Oryzoborus angolensis funereus* REJ]

alcoholic 403

[*Oryzoborus angolensis funereus* REJ]

404

Rhamphocelus demichatus dimidiatus?

id. uncertain - put in Dept. Zool. collection

skeleton 405

406

Saltator maximus lurgens

alcoholic 407

[probably baby *Sporophila*. Couldn't not identify, so discarded REJ]

alcoholic 408

alcoholic 409

alcoholic 410

alcoholic 411

alcoholic 412

alcoholic 413

Eumops bonariensis nanus

alcoholic 414

Basiliscus basiliscus

alcoholic 415

Basiliscus basiliscus

alcoholic 416

Gonatodes sp

alcoholic 417

"

alcoholic 418

"

alcoholic 419

"

alcoholic 420

"

alcoholic 421

"

alcoholic 422

"

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Catalogue

19

Yaviza, Darien Prov., Rep de Panama
Sept 19th cont

alcoholic 423

Gonatodes sp.

alcoholic 424

" "

alcoholic 425

" "

alcoholic 426

" "

alcoholic 427

" "

alcoholic 428

" "

alcoholic 429

" "

alcoholic 430

Mabuya mabouya

alcoholic 431

Hyla rubra

alcoholic 432

" "

alcoholic 433

Basiliscus basiliscus

alcoholic 434

" "

alcoholic 435

September 20

alcoholic 436

Uroderma bilobatum bilobatum

alcoholic 437

Uroderma bilobatum bilobatum

alcoholic 438

Uroderma bilobatum bilobatum

alcoholic 439

Artibeus cinereus watsonii

alcoholic 440

[Spotophila aurita aurita ? REJ.]

alcoholic 441

[Dendroica petechia R.S.]

alcoholic 442

skeleton 443

♀ Phyllostomus hastatos panamensis 36-28-20-33/87- fat ~~fat~~

444

Phyllostomus hastatos panamensis

37-24-23-32/86-9 fat

~~fat~~

1 mi S.W. Yaviza, Darien Prov., Rep de Panama
Sept 20

alcoholic 445

Leptodeira annulata rhombifera

alcoholic 446

Oscaecili ochrocephala

Yaviza, Darien Prov., Rep de Panama

447

Tyrannus tyrannus

S.O. VERY fat tushy 2x1 mm

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Yaviza, Darien Prov. Rep de Panama

20

Sept 20, cont

skeleton 448 ♂

testis 6x8 mm

449 [Thryothorus leucotis G.T.]

450 ♂ Thryothorus leucotis ^{gabrai thi} S.O. no fat

testis 2x1 mm

451 ♀ Tanagra ^{crassirostris} ~~laniirostris~~? S.O. no fat

ovary minute

alcoholic 452 [Volatinia jacarina splendens REJ]

alcoholic 453

alcoholic 454

alcoholic 455

alcoholic 456

alcoholic 457 Myotis (nigrescens?)

skeleton 458 ♂

molt, no fat testis 9x7 mm

459 ♀

molt mod. fat largest ovum 3 mm

460

alcoholic 461 Vampyrops helleri

alcoholic 462 Carolia eastanea

463 Carolia perspicillata azteca

464 ~~URODERMA bilobatum bilobatum~~ [Volatinia jacarina splendens REJ]

465 URODERMA bilobatum bilobatum

466 [Thamnophilus bridgesi REJ]

alcoholic 467 [Ramphocelus dimidiatus dimidiatus REJ]

skeleton 468 Praga cayana

469

alcoholic 470 Mabuya mabouya

alcoholic 471 Basiliscus basiliscus

alcoholic 472

"

"

alcoholic 473 Gonatodes sp.

alcoholic 474

"

"

O. Currier
1967

21

Yaviza, Darien Prov., Rep. de Panama

Sept. 20 cont

alcoholic 475

Gonatodes

alcoholic 476

"

alcoholic 477

"

alcoholic 478

"

alcoholic 479

"

alcoholic 480

Pseustes poecilonotus

Sept 21, 1967

alcoholic 481

URODERMA bilobatum bilobatum

alcoholic 482

ARTIBEUS lituratus palmarum

483

♀ Nyctidromus albicollis albicollis S.O. mod fat largest oval mm

484

♂

"

"

"

S.O. mod fat testes 8 x 1 1/2 mm

alcoholic 485

[Glaucis aenea REJ]

alcoholic 486

Hypsigenia

alcoholic 487

Epicrates cenchroa

alcoholic 488

"

"

alcoholic 489

Bufo marinus

alcoholic 490

"

"

alcoholic 491

"

"

alcoholic 492

alcoholic 493

alcoholic 494

URODERMA bilobatum bilobatum

alcoholic 495

alcoholic 496

alcoholic 497

alcoholic 498

alcoholic 499

alcoholic 500

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Catalogue

22

Yaviza, Darien Prov., Rep. de Panama

Sept 21, 1967

alcoholic 501

alcoholic 502

alcoholic 503 Myotis

alcoholic 504 Desypterus ega panamensis

alcoholic 505

alcoholic 506 Myotis

507

alcoholic 508 Gonatodes sp.

alcoholic 509 "

alcoholic 510 "

alcoholic 511 "

alcoholic 512 "

alcoholic 513 "

alcoholic 514 Hyla microcephala microcephala

Sept 22nd

515 ♀? Seiurus nova boracensis ^{notabilis} S.O. no fat

516 ♀ Thraupis palmarum atripennis S.O., no fat, molt,

517 ♀ Tangara inornata langwens S.O. no fat largest ova 1.5mm

518 ♂ ARTIBEUS jamaicensis jamaicensis 78- -15-22 / 59-7 testis 6x4mm

519 ♀ ARTIBEUS ^{lituratus palmarum} jamaicensis jamaicensis 89- -17-26 / 73-8 fat

alcoholic 520 URODERMA bilobatum bilobatum 60- -11-16 / 39-6

521 ? Sporophila nigricollis nigricollis S.N.O. mod. fat

skeleton 522 ? Sporophila americana? SNO. no fat

skeleton 523 ♀ Bufo marinus

524 ♀ Tanagra lanirostris? crassirostris SNO no fat ova minute

525 ? Pipromorpha oleaginea pareia SNO. no fat ~~one~~ molt

alcoholic 526 [Oryzoborus angolensis funereus G.T.]

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Catalogue

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Yaviza, Darien Prov., Rep de Panama
Sept 22nd cont.

alcoholic 527	[Volatinia jacarina splendens REJ.]
alcoholic 528	[Sporophila aurita? RS]
529	
alcoholic 530	Myotis (pygmaeus)
alcoholic 531	URODERMA bilobatum bilobatum
alcoholic 532	URODERMA bilobatum bilobatum
alcoholic 533	URODERMA bilobatum bilobatum
alcoholic 534	URODERMA bilobatum bilobatum
alcoholic 535	URODERMA bilobatum bilobatum
alcoholic 536	ARTIBEUS jamaicensis jamaicensis
alcoholic 537	
alcoholic 538	Leptodactylus sp.
alcoholic 539	Hyla rubra
alcoholic 540	" "
alcoholic 541	Engystomops pustulosus
542	Cnemidophorus lemniscatus
543	Mabuya mabouya
544	Basiliscus basiliscus
545	" "
546	" "
547	" "
548	

Sept 23

549	♂ Myiodynastes luteiventris luteiventris? S.O. little fat testes 3x1 mm
550	♂ Dendroica petechia brewsteri? S.O. no fat testes 1 mm
551	
alcoholic 552	[Clarusia pretiosa RS]

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Catalogue

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Yaviza, Darien Prov., Rep de Panama

Sept 23

- alcoholic 553 [Damophila julie R.S.]
- alcoholic 554 Carollia castanea
- alcoholic 555 [Oryzoborus angolensis funereus G.T.]
2.5 km E. Yaviza, Darien Prov., Rep de Panama
- 556 ? Sylvilagus brasiliensis messorius little fat
- 557 ? Sylvilagus brasiliensis messorius 42-13-31-17 little fat
- 558 ? Sylvilagus brasiliensis messorius 38-10-32-20 little fat
Yaviza, Darien Prov., Rep de Panama
- 559 Cabassosus centralis 518-167-68-33 some fat
2.5 km E. Yaviza, Darien Prov., Rep de Panama
- 560 ♂ Aramides cajaneus 5.0. no fat testes 7x1 mm
Yaviza, Darien Prov., Rep de Panama
- skeleton 561 ♂ Sporophila americana? 5.0. little fat. testes 6x7 mm
- alcoholic 562 ♂ Cnemidophorus lemniscatus
- skeleton 563 ♂ Cnemidophorus lemniscatus
- skeleton 564 ♂ " "
- alcoholic 565 Cnemidophorus lemniscatus
- alcoholic 566 ♂ " "
- skeleton 567 ♂ " "
- alcoholic 568 ♂ Ameiva sp.
- alcoholic 569 ♂ " "
- alcoholic 570 ♂ " "
- alcoholic 571 ♂ Avestridium sp.
- alcoholic 572 Basiliscus basiliscus
- alcoholic 573 [Terenotriccus erythrus solvigularis G.T.]
- 574 ♂ Xiphorhynchus guttatus nanus 5.0. no fat molt testes 3x1 mm
- 575 ♂ Hirundo rustica erythrogaster 5%0. no fat testes 2x1 mm
- alcoholic 576
- 577

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Catalogue 25
Yaviza, Darien Prov., Rep. de Panama
Sept. 24th

- 578 ♀ Rattus rattus 202-117-25-18 little fat
579 ♂ Tanagra luteicapilla S.O. little fat testis 2x4 mm
580 ♂ MAZAMA americana reperta 969-86-247-82

alcoholic 581 possibly baby dove (all ... R.

- 582 ♀ Rattus rattus 218-100-26-18

583

- 584 Bufo marinus

Acerasthenius from Yaviza, Darien Prov., Rep. de Panama

alcoholic 585 Ameiva SP.

alcoholic 586 "

alcoholic 587 "

2.5 km E Yaviza, Darien Prov., Rep. de Panama

alcoholic 588 Chironius carinatus
Yaviza, Darien Prov., Rep. de Panama

- 589 ♂ Rattus rattus 206-121-26-17 testis 4x6 mm

- 590 ? Thraupis episcopus cana S.O. no fat molt

- 591 Basiliscus basiliscus

- 592 "

593

Sept 25th

alcoholic 594

274-133-37-78

Sept 26th

alcoholic 595 Dasypterus ega panamensis

alcoholic 596 Myotis

alcoholic 597 1 km E Yaviza, Darien Prov., Rep. de Panama

Chironius carinatus

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Catalogue

26

Yaviza, Darien Prov., Rep de Panama

September 27

alcoholic 598

Carollia perspicillata azteca

alcoholic 599

[*Arremonops conirostris* ^{R.S.}]

skeleton 600

mouth Rio Ocuanati, Darien Prov., Rep de Panama

alcoholic 601

4 Km N, 3.5 Km W of mouth Rio Suguesa, Darien Prov., Panama

alcoholic 602

Rhynchonycteris naso

4 Km N, 3.5 Km W of mouth Rio Suguesa, Darien Prov., Panama

Rhynchonycteris naso

~~603~~

September 28

skeleton 603

4 Km N, 3.5 Km W of mouth Rio Suguesa, Darien Prov., Panama

alcoholic 604

Quebrada Partuchagua, near mouth Suguesa, Darien Prov.

skeleton 605

Basiliscus basiliscus

Quebrada, Partuchagua, near mouth Suguesa, Darien Prov., Panama

alcoholic 606

Quebrada, Partuchagua, near mouth Suguesa, Darien Prov., Panama

Boa

~~3.5 Km NW~~ 3.5 Km NW of mouth Rio Suguesa, Darien Prov., Rep de Panama

September 29

alcoholic 607

[

RS]

alcoholic 608

[

RS]

alcoholic 609

[*Thamnophilus nigriceps* REJ]

alcoholic 610

alcoholic 611

alcoholic 612

Ameiva

alcoholic 613

Mabuya mabouya

alcoholic 614

Oxybelis

alcoholic 615

Sigmodon hispidus (chiriguensis?)

September 30

3.75 Km NW of mouth Ocuanati, Darien Prov., Rep de Panama

Columbidae

alcoholic 616

alcoholic 617

5.75 Km S., 2.25 Km E of mouth Ocuanati, Darien Prov., Rep de Panama

skeleton 618

sp?

testes 3x6 mm

~~September~~ October 1

Yaviza, Darien Prov., Rep de Panama

skeleton 619

little fat no molt testes 2x1 mm

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Catalogue

27

Yareiza, Darien Prov., Rep de Panama
October 1

skeleton 620	♀	Harpagus bridentatus	no fat no molt	examine
		Rio Tepisa (Quebrada Miel) Darien Prov., Rep de Panama October 1		
alcoholic 621		Geomyda punctularia		
		Yareiza, Darien Prov., Rep de Panama October 1		
alcoholic 623				
alcoholic 624				
		5 Km N.W. mouth Rio Teguila, Darien Prov., Rep de Panama September 28		
alcoholic 625		Sigmodon hispidus (chiriquensis?)		
		Yareiza, Darien Prov., Rep de Panama October 2		
alcoholic 626		[Thryothorus leucotis G.T.]		
skeleton 627	♂	Yami & Yareiza, Rio Chico, Darien Prov., Rep de Panama October 2		
alcoholic 628	♂	ARTIBEUS ^{lituratus palmarum} jamaicensis jamaicensis	9--16-24/71-5	
" " 629	♀	URODERMA bilobatum bilobatum	60--10-17/40-3	
" " 630	♀	URODERMA bilobatum bilobatum	58--11-16/41-3	
" " 631	♀	URODERMA bilobatum bilobatum	63--9-16/41-4	
" " 632	♀	URODERMA bilobatum bilobatum	64--11-16/41-3	
" " 633	♂	URODERMA bilobatum bilobatum	59--11-19/42-3	
" " 634	♀	Carollia perspicillata azteca	79-18-18-22/43-5	
" " 635	♂	Artibeus cinereus watsonii	52--10-16/37-3	
" " 636	♂	Sturnia mordax	60--13-17/40-4	
" " 637	♂	Artibeus cinereus watsonii	52--10-17/37-4	
" " 638	♀	Phyllostomus hastatus panamensis	139-24--24-32/90-9	
" " 639	♂	Carollia perspicillata azteca	76-18-14-22/43-6	
" " 640	♀	ARTIBEUS jamaicensis jamaicensis	87--17-22/61-4	
" " 641	♀		53--10-16/37-3	
" " 642	♀	Carollia perspicillata azteca	75-8-9-20/41-5	

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Catalogue

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Yami & Yaviza, Rio Chico, Darien Prov., Rep. de Panama
October 3

alcoholic	643	♀		50--12-15/42-4
"	"	644	♂ <i>Carollia perspicillata azteca</i>	69-15-13-21/41-4
"	"	645	♂ <i>Carollia perspicillata azteca</i>	66-14-14-20/41-5
"	"	646	♂ <i>URODERMA bilobatum bilobatum</i>	60--11-18/41-3
"	"	647	♀ <i>ARTIBEUS</i> ^{<i>lituratus palmarum</i>} <i>jamaicensis jamaicensis</i>	86--17-23/67-5
"	"	648	♂ <i>Desmodus rotundus murinus</i>	77--17-18/56-5
"	"	649	♂ <i>Artibeus cinereus watsonii</i>	50--10-15/42-3
"	"	650	♀ <i>Glossophaga soricina leachii</i>	59-11-10-15/35-3
"	"	651	♂ <i>Sturnia mordax</i>	65--12-21/38-4
"	"	652	♂	82-17 83--17-23/60-4
"	"	653	♀ <i>Artibeus lituratus palmarum</i>	82--19-24/63-5
"	"	654	♂ <i>Carollia perspicillata azteca</i>	69-15-13-21/41-5

October 4

alcoholic	655	♂ <i>Artibeus cinereus watsonii</i>	54--10-15/32-4
"	"	656 ♂ <i>Artibeus cinereus watsonii</i>	55--11-15/37-4
"	"	657 ♀ <i>Carollia perspicillata azteca</i>	79-16-13-19/42-5
"	"	658 ♂ <i>URODERMA bilobatum bilobatum</i>	59--13-18/41-3
"	"	659 ♂ <i>Sturnia mordax</i>	62--11-17/40-3
"	"	660 ♂ <i>Phyllostomus discolor discolor</i>	113-12-15-23/62-5
"	"	661 ♀ <i>Carollia perspicillata azteca</i>	69-7-7-21/41-5
"	"	662 ♀ <i>Artibeus jamaicensis jamaicensis</i>	80--10-21/58-4
"	"	663 ♀ <i>Chilonycteris rubiginosa fusca</i>	94-25-15-28/60-5
"	"	664 ♀ <i>Artibeus jamaicensis jamaicensis</i>	85--18-22/62-4
"	"	665 ♀ <i>Desmodus rotundus murinus</i>	86--17-21-/62-4
"	"	666 ♀ <i>URODERMA bilobatum bilobatum</i>	58--11-17/42-3
"	"	667	

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Catalogue
yaviza, Darien Prov., Rep de Panama
October 4

alcoholic 667 *Tretanorhinus nigroluteus*
1/2 mi E yaviza, Rio Chico, Darien Prov. Panama
October 4

alcoholic 668 [*Oryzoborus angolensis funereus* REJ]

alcoholic 669

alcoholic 670

yaviza, Darien Prov., Rep de Panama
alcoholic 671 *Engystomops pustulosus*

alcoholic 672

alcoholic 673 *Anolis* sp.
alcoholic 674 *Hyla microcephala microcephala*

alcoholic 675

alcoholic 676

alcoholic 677

alcoholic 678 *Hyla microcephala microcephala*

alcoholic 679

alcoholic 680

Bufo marinus
^{Rio Chico}
1/2 mi E yaviza, Darien Prov., Rep de Panama
October 5

alcoholic 681 *Diploglossus monotropis*
October 4

" " 682 ♀ *Desmodus rotundus murinus* 66- -18-20/58-4

" " 683 ♀ *Uroderma bilobatum bilobatum* 56- -11-16/40-3

" " 684 ♀ *Artibeus lituratus palmarum* 95- -18-25/70-4

" " 685 ♂ *Artibeus cinereus watsonii* October 5 55- -10-15/37-3

" " 686 ♂ *Uroderma bilobatum bilobatum* 59- -12-11/40-3

" " 687 ♂ *Artibeus cinereus watsonii* 51- -11-16/38-3

" " 688 ♂ *Tonatia* 64- 7-10-27/34-6

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Catalogue
Rio Chico
1/2 mi E Yaveja, Caucho Prov., Rep. de Panama
October 5

30

alcoholic	689	♂	Artibeus	jamaicensis	jamaicensis	79--28-24/165-4
"	690	♀	Artibeus	jamaicensis	jamaicensis	86--16-22/61-5
"	691	♂	Uroderma	bilobatum	bilobatum	59--11-17/42-3
"	692	♂	Carollia	perspicillata	azteca	75-7-15-21/42-6
"	693	♀	Artibeus	jamaicensis	jamaicensis	88--18-21/63-5
"	694	♀	Uroderma	bilobatum	bilobatum	61--11-19/39-4
"	695	♀	Carollia	perspicillata	azteca	71-17-18-21/43-5
"	696	♂	Artibeus	jamaicensis	jamaicensis	80--12-22/59-5
"	697	♂	Desmodus	rotundus	murinus	77--18-20/68-4
October 6						
"	698	♀	Artibeus	jamaicensis	jamaicensis	85--18-20/61-4
"	699	♂	Carollia	perspicillata	azteca	82-11-13-19/42-6
"	699 700	♀	Artibeus	jamaicensis	jamaicensis	63--16-19/63-5
"	701	♀	Artibeus	jamaicensis	jamaicensis	80--18-21/63-5
"	702	♂	Carollia	perspicillata	azteca	73-14-12-20/41-5
"	703		Carollia	perspicillata	azteca	71-4-8-20/44-5
"	704	♀	Artibeus	jamaicensis	jamaicensis	82--17-21/61-5
"	705	♀	Artibeus	cinereus	watsonii	50--16-15/37-4
"	706	♀	Uroderma	bilobatum	bilobatum	62--11-16/11-3
"	707	♀	Carollia	perspicillata	azteca	66-10-11-18/43-5
"	708	♂	Artibeus	jamaicensis	jamaicensis	77--15-20/61-4
"	709	♂	"	"	"	81--16-18/59-5
"	710	♀	"	"	"	79--17-18/59-5
"	711	♀	"	"	"	80--17-22/58-5
"	712	♂	"	"	"	79--16-18/60-5
"	713	♂	"	"	"	85--17-21/60-4
"	714	♀	Uroderma	bilobatum	bilobatum	63--12-16/44-3
"	715	♂	Sturnia	mordax		52--12-16/40-4

C. Cavalier
1967

Catalogue

31

October 6 cont

1/2 mi E Yaviza, Rio Chico, Darien Prov., Rep de Panama

alcoholic 716 ♀ ARTIBEUS jamaicensis jamaicensis 86--18-22/64-4

" " 717 ♀ ARTIBEUS litoratus palmarum 93--19-23/70-5

~~718~~ Yaviza, Darien Prov., Rep de Panama

" " 718 Columbid

1/2 mi E Yaviza, Rio Chico, Darien Prov., Rep de Panama

" " 719 [Thraupis palmarum atripennis RET]

" " 720 Leptodactylus sp.

Yaviza, Darien Prov., Rep de Panama

" " 721 [black downy chick; probably Rallidae; couldn't identify, so discarded. G.T.]
Yaviza, Darien Prov., Rep de Panama

" " 722 Leptodeira rhombifera annulata
rhombifera

" " 723 Bufo marinus

" " 724

" " 725 Eleutherodactylus

" " 726 "

" " 727 Engystomops pustulosus

" " 728 "

Yaviza Darien Prov., Rep de Panama

" " 729 Uroderma bilobatum bilobatum

1/2 mi E Yaviza, Rio Chico, Darien Prov., Panama
October 7

" " 730 ♀ ARTIBEUS jamaicensis jamaicensis 85--18-22/62-4

" " 731 ♂ ARTIBEUS litoratus palmarum 90--18-22/75-4

" " 732 ♂ ARTIBEUS jamaicensis jamaicensis 83--17-21/61-4

" " 733 ♀ ARTIBEUS litoratus palmarum 88--19-23/70-5

" " 734 ♂ ARTIBEUS jamaicensis jamaicensis 85--17-20/64-4

" " 735 ♀ ARTIBEUS jamaicensis jamaicensis 85--17-22/62-4

" " 736 ♂ Carollia perspicillata azteca 73-9-12-21/41-5

" " 737 ♀ Uroderma bilobatum bilobatum 64--17-18/43-3

C. Carolew
1967

Catalogue

32

October 7

1/2 mi E Yaviza, Rio Chico, Darien Prov., Panama

cokelie 738

[*Gracis hirsuta* R.S.]

" 739

[*Lepidopyga coerulescens* R.S.]

" 740

[*Xiphosoma* R.S.]

" 741

Yaviza, Darien Prov., Rep de Panama

Basiliscus basiliscus

" 742

"

"

" 743

"

"

October 8

" 744

Hyla rubra

" 745

" 746

[*Butorides virescens* RET]

" " 747

Basiliscus basiliscus

" " 748

"

"

" " 749

" " 750

" " 751

" " 752

Basiliscus basiliscus

" " 753

" " 754

Hyla microcephala microcephala

" " 755

"

"

"

" " 756

Phrynosoma marmoratum

" " 757

Hyla microcephala microcephala

" " 758

"

"

"

" " 759

"

"

"

" " 760

"

"

"

" " 761

"

"

"

" " 762

"

"

"

" " 763

"

"

"

C. Carolew
1967

Catalogue

yaviza, Darien Prov., Rep de Panama 33

Oct 8, 1967

alcoholic 764

[] RS

" " 765

~~crow~~ long ~~side~~

" " 766

" " 767

[Picumnus olivaceus G.T.]

" " 768

[Xenops minutus R.S.]

" " 769

[Thraupis palmarum atripennis REJ]

" " ~~770~~ ~~771~~

[Capito maculicoronatus R.S.]

" " ~~771~~ ~~772~~

[Thryothorus fasciatoventris G.T.]

" " ~~772~~ ~~773~~

Didelphis marsupialis etensis

Q62B, Albrook Air Force Base, Canal zone
October 13

alcoholic 773

Engystomops pustulosus

" " 774

"

"

" " 775

"

"

" " 776

" " 777

Engystomops pustulosus (tadpoles)

yaviza, Darien ~~Prov.~~ ~~Rep de Panama~~
OCT 10 JOURNAL PAGE 77

alcoholic 778

[Thraupis palmarum G.T.]

" 779

[Thraupis palmarum G.T.]

" 780

[Tringa solitaria REJ]

" 781

Rattus rattus

" 782

" 783

" 784

Engystomops pustulosus

" 785

"

"

" 786

"

"

" 787

"

"

" 788

"

"

111

C. Cavelier
1967

Catalogue

34

Yaviza, Darien Prov., Rep de Panama
Oct 10 cont

alcohol 789	Engystomops	pustulosus
" " 790	"	"
" " 791	"	"
" " 792	"	"
" " 793	"	"
" " 794	"	"
" " 795	"	"
" " 796	"	"
" " 797	"	"
" " 798	"	"
" " 799	"	"
" " 800	"	"
" " 801	"	"
" " 802	"	"
" " 803	"	"
" " 804	Leptodactylus	sp.
" " 805	"	"
" " 806	Engystomops	pustulosus
" " 807	"	"
" " 808	"	"
" " 809	"	"

Oct 11 JOURNAL PAGE 77

alcohol 810	Basiliscus	basiliscus
" " 811	"	"
" " 812	Basiliscus	basiliscus

Oct 12 JOURNAL PAGE 77

" " 813	Rattus	rattus
---------	--------	--------

113-45-16-7

C. Cavalieri
1967

Catalogue

35

Yaviza, Darien Prov., Rep de Panama
October 12 cont.

Alcoholic 814	Rattus rattus	113-45-17-7
" " 815	Rattus rattus	113-46-16-7
" " 816	Rattus rattus	117-47-17-8
" " 817	SYLVILAGUS brasiliensis messorius	113-5-23-10

~~818~~

OCT 13, 1967

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" 818	Rattus rattus	
" " 819	Rattus rattus	✓
" " 820	Rattus rattus	
" " 821	Rattus rattus	
" " 822	Rattus rattus	
" " 823	Rattus rattus	
" " 824	Rattus rattus	
" " 825	Rattus rattus	
" " 826	[Thraupis palmarum atripennis REJ]	

Jaboga Island, Rep de Panama
Oct 14

" " 827	Dendrobates auratus	
" " 828	" "	
" " 829	Engystomops pustulosus	
" " 830	Gonatodes	sf
" " 831	Dendrobates auratus	
" " 832	" "	
" " 833	" "	

Yaviza, Darien Prov., Rep de Panama
Oct 11

" " 834	Tretanorhinus nigroluteus	
" " 835	Bothrops nasuta	

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1967

Catalogue

36

Yarega, Darien Prov., Rep de Panama
Oct 14

836

skull 837

" 838

Q62B, Albrook Air Force Base, Canal zone

" 839 ~~840~~

Phrynohyas spilomma

Rio Chucunaque near mouth Uacurante,

Darien Prov., Rep de Panama

Oct 15 (date catalogue not killed)

skull 840

MAZAMA americana repertica

no lower jaw

skull 841

MAZAMA americana repertica

no lower jaw

skull 842

TAYASSU tajacu bangsi

no lower jaw

Taboga Island, Rep de Panama
Oct 21.

skull 843

Artibeus jamaicensis jamaicensis

" 844

" " "

" 845

" " "

" 846

" " "

" 847

" " "

" 848

" " "

" 849

" " "

" 850

" " "

" 851

" " "

" 852

" " "

" 853

" " "

" 854

" " "

" 855

" " "

" 856

" " "

C. Cavalieri
1967

Catalogue

37

Taboga Island, Panama
OCT 21, 1967 cont.

leoholic 857 ARTIBEUS jamaicensis jamaicensis

" " 858 " " "

" " 859 " " "

" " 860 " " "

" " 861 " " "

" " 862 " " "

" " 863 " " "

" " 864 " " "

" " 865 " " "

" " 866 " " "

" " 867 " " "

" " 868 " " "

" " 869 " " "

" " 870 " " "

" " 871 " " "

" " 872 " " "

" " 873 " " "

" " 874 " " "

" " 875 " " "

" " 876 " " "

" " 877 " " "

" " 878 " " "

" " 879 " " "

" " 880 " " "

" " 881 " " "

" " 882 " " "

" " 883 " " "

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1967

Catalogue

38

Jaboga Island, Panama
Oct 21 cont

~~Oct~~

8834	ARTIBEUS	jamaicensis	jamaicensis
885	"	"	"
886	"	"	"
887	"	"	"
888	"	"	"
889	"	"	"
890	"	"	"
891	"	"	"

Oct 22

892	Dendrobates	auratus
893	"	"
894	"	"
895	Engystomops	pustulosus
896	Gonatodes	sp.
897	Dendrobates	auratus
898	"	"
899	"	"
900	"	"
901	"	"
902	"	"
903	"	"
904	"	"
905	"	"
906	"	"
907	"	"
908		

C. C. C. C.
1967

Catalogue

39

Taboga Island, Panama

Oct 23

909

Engystomops pustulosus (tadpoles)

Yaviza, Darien Prov., Rep de Panama

Oct 30

910

Engystomops pustulosus

911

"

"

912

"

"

913

"

"

914

"

"

915

"

"

916

"

"

917

"

"

Oct 31

918

Caiman

919

920

[Myrmeciza exsal] R.S.

921

922

[Tyrannulus elatus REJ]

923

[Microrhopies quirensis consobrina REJ]

924

Leptodactylus sp. [Actitis macularia REJ]

925

[Catharus ustulatus REJ]

926

Engystomops pustulosus

927

Rattus rattus

343-191-32-22

928

Rattus rattus

383-208-34-25

929

930

[Tyrannulus elatus REJ]

Nov 1

931

[Volatinia jacarina splendens REJ]

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1967

Catalogue

40

Yaviza, Darien Prov., Rep de Panama

alcoholic 932

[Tanager sp. R.S.] ^{NOV 1}
2 with same #

" 933

Rattus rattus

[Tyrannulus elatus RET]

" 934

Rattus rattus

" 935

[Cyphorhinus aradas R.S.]

" 936

Ameiva

" 937

" 938

" 939

[Thamnophilus punctatus RS]

" 940

Rattus rattus

" 941

Epicrates cenchora

" 942

[Ramphocelus icteronotus RET]

" 943

[Piranga rubra rubra RET]

Nov 2

" 944

Rattus rattus

" 945

~~946~~ 2km NE Yaviza, Darien Prov., Panama
Nov 2

" 946

" 947

[Myrmeciza exul occidentalis RET]

YALL ONLY 948

? Bradypus griseus ignarus

Yaviza, Darien Prov., Panama
Nov 2

alcoholic 949

[Taraba major obscurus RET]

" 950

[Colonia colonus leucornata R.S.]

" 951

Engystomops pustulosus

" 952

[Thryothorus leucotis G.T.]

" 953

MARMOSA (mexicana?) or ? Bradypus griseus ignarus (she had two field nos. 953)

C. Cavalier
1967

Catalogue

41

Yaviza, Darien Prov., Rep de Panama
Nov. 3

- whole 954 [Thamnophtlus nigriceps R.S.]
" 955 MYOTIS
" 956 MYOTIS
" 957 Mabuya mabouya
" 958 Engystomops pustulosus
Across river from Yaviza, Darien Prov. Panama
" 959 Ameiva sp.
" 960 "
" 961 Engystomops pustulosus
Yaviza, Darien Prov., Rep de Panama
Nov. 4

- " 962 MARMOSA (~~mexicana~~) mitis
" 963 MYOTIS
" 964 MYOTIS
" 965
" 966 MYOTIS
" 967 MYOTIS
" 968 "
" 969 "
" 970 "
" 971 "
" 972 "
" 973 "

Nov. 5

- " 974 "
" 975 "
" 976 [Amazilia edward REJ]

C. Cuvier
1967

Catalogue

42

Yanga, Darien Prov. Rep de Panama

Nov 5

- colic 977 Chironius carinatus
" 978 MYOTIS
" 979 " " "
" 980 " " "
" 981 Hyla microcephala microcephala
" 982 " " "
" 983 [Tyrannulus elatus REJ]
" 984 Hyla microcephala microcephala
" 985 " " "
" 986 " " "
" 987 " " "
" 988 Ameiva
" 989 Leptodactylus sp.
" 990 [Tyrannulus elatus R.S.]
" 991 [Piranga rubra REJ]

Nov 6

- " 992 Hyla microcephala microcephala
" 993 [Pachyramphus cinnamomeus R.S.]
" 994 [Myiarchus tuberculifer G.T.] [Oryzoborus angolensis funereus REJ]
" 995 [Pachyramphus polychopterus R.S.]
" 996
" 997 Micrurus mipartitus

Nov 7

- " 998 [Malacoptila panamensis G.T.]
" 999 [Taraba major G.T.]
" 1000 MYOTIS
" 1001 [Nonnula frontalis R.S.]

C. Cavalier
1967

Catalogue

43

Yauza, Darien Prov., Rep de Panama

Nov. 7

alcoholic
1002

Hyla rubra

" " 1003

[Erolia melanotos G.T.]

" " 1004

Uroderma bilobatum bilobatum

" " 1005

Uroderma bilobatum bilobatum

" " 1006

[Taraba major obscurus REJ]

" "

Nov. 8

" " 1007

ARTIBEUS jamaicensis jamaicensis

" " 1008

[Thryothorus fasciatoventris G.T.]

" "

Nov. 12

" " 1009

" " 1010

[Myrmeciza exul occidentalis REJ]

" " 1011

" " 1012

[Tanagra laniirostris REJ]

" " 1013

[Tyrannulus elatus REJ]

" " 1014

[Damophila julie panamensis REJ]

" " 1015

Ameiva

" " 1016

Leptodactylus sp.

Nov. 13

" " 1017

[Tyrannulus elatus REJ]

" " 1018

Ameiva sp.

" " 1019

Engystomops pustulosus

" " 1020

Leptodactylus sp.

" " 1021

"

"

" " 1022

Leptodactylus sp.

" " 1023

Hyla rubra

" " 1024

Bufo marinus

" " 1025

Leptodactylus sp.

C. Cavalieri
1967

Catalogue

44

Yaviza, Darien Prov., Panama

Nov. 13

alcoholic	1026	Leptodactylus sp.
"	" 1027	Engystomops pustulosus
"	" 1028	" "
"	" 1029	" "
"	" 1030	" "
"	" 1031	Leptodactylus sp.
"	" 1032	" "
"	" 1033	Bufo marinus
"	" 1034	Leptodactylus sp.
"	" 1035	Leptodactylus sp.
"	" 1036	Hyla microcephala microcephala
"	" 1037	Engystomops pustulosus
"	" 1038	Leptodactylus sp.
"	" 1039	Hyla microcephala microcephala
"	" 1040	Leptodactylus sp.
"	" 1041	" "
"	" 1042	Leptodactylus sp.
"	" 1043	Leptodactylus sp.
"	" 1044	" "
"	" 1045	" "
"	" 1046	[Coereba flaveola RET]
"	" 1047	[Coccyzus americanus RET]
"	" 1048	[Coccyzus americanus RET]
"	" 1049	[Actitis macularia G.T.]
"	" 1050	Hyla rubra
"	" 1051	Phrynosoma spilomma
"	" 1052	" "

Cavalier
1967

Catalogue
Yaviza, Darien Prov., Panama
Nov 13 cont

45-

cebolie 1053

MIOTIS (nigricans?)

" " 1054

" (")

" " 1055

" (")

" " 1056

URODERMA bilobatum bilobatum

Nov. 14

1057 Rattus rattus

1058 Rattus rattus

1059 Rattus rattus

1060 Rattus rattus

1061 Uroderma bilobatum bilobatum

1062 Leptodactylus sp

1063 Hyla microcephala microcephala

1064 " " "

1065 " " "

1066 " " "

1067 Ameiva sp.

1068 Uroderma bilobatum bilobatum

1069 [Picumnus olivaceus G.T.]

1070 Hyla microcephala microcephala

1071 Ameiva sp.

1072 [Myrmeciza longipes G.T.]

1073 [Tringa solitaria G.T.]

1074 [Myrmeciza exsul RS]

Nov. 26

1075 [Ara severa REJ]

Cavalieri, C.

1967

Journal

Costa Rica
Panama

Journal

San Jose, Costa Rica

July 20. Left Guayaquil City for San Jose. (Pan Am) 2 changes of planes, heat, four hours late. Fog over San Jose airport. Finally landed after 20 minutes of circling. Many planes have to go to Panama City because of fog. The ride by taxi to San Jose is \$5.00 but friends met me. Hotel Boston is inexpensive & very accommodating place to stay. It is necessary to say Pension Boston not Hotel ~~Boston~~ otherwise no one knows where it is. Met Mercedes McQuinn.

July 21. The truck (camper) we had planned to take was impossible because if the owner of any vehicle leaves the country he must have proof of sale or vehicle impounded. He returns in a week so we are going to shop today & take train to Limon Prov. tomorrow.

July 22. Took Northern Railroad from Northern Railroad Station (there are two stations in San Jose) to Los Diamantes Farm. We changed trains at La Puente. It was necessary to ask conductor to stop at the farm for us. We left San Jose at about 1¹⁵ and arrived at the farm at about 8¹⁵ PM. The arrangements to stay at the experimental farm were made by Mercedes McQuinn - check her notes for details -

July 23. Los Diamantes Farm 1 mi SE. Uruaba, Limon Prov. Costa Rica 300 meters
Up at dawn - breakfast supposed to be from 5 to 6³⁰ but it was late as is almost everything a little. Walked east along road behind farm. A few short medium heavy showers, but it's but warm enough not to wear a jacket. On the side of road were rubber trees, banana trees, cocoa plants and hundreds of strange new

Journal

Los Diamantes Farm, 1 mi SE Guapilo, Limón Prov. Costa Rica

July 23^{cont}

beautiful plants, shrubs, trees & flowers. Saw many black vultures, motmots (sp), parrots in groups, grooved billed anis, and hummers. Shot a black vulture w/ #9 but it didn't phase him. There were many in various trees. The tallest (dead) tree had seven and the next tallest tree have four or five (?) These trees were on the edge of rubber tree grove where it bordered the forest area. There were five rubber trees which had one vulture each in them. One shot and they all flew away. Returned approx 10 min. later & vultures were in same two large dead trees. The rubber tree grove had legi grass & growth (~2 1/2' - 3') which is difficult to find small birds in. I know this from having lost 2 birds in ~~it~~ similar growth further up the road. Shot grooved billed ani w/ half load - sitting on tree overhanging road. In rubber ^{tree} grove closer to farm (10:15) shot woodcreeper (#18) who appeared to be sitting in a rubber tree. Then shot flycatcher (#17) about 3 yds away - along edge of forest in rubber tree. Shot another ani (on fence post) on way home. The humming birds were always alone, the anis were ~~seen~~ with another or 2-3 other ani birds. The motmots were all together approx 10-12 ± and fly away together. Lunch - skinned & put up birds afternoon & evening -

C. Cavalier
1967

3.

Journal

Forest w of Rio Torro (main Budge. 4 mi w. Guaples, ^{Costa R. cc} Limon Prov.

July 24 Up at 6⁰⁰ at Los Diamantes Farm. Got ride in jeep to above location. Went through town (2-3 blocks) then turned west. Drove 4 mi on dirt & rock road. Passed a few isolated houses, horses, chickens & people. From the very new (steel & concrete) bridge we walked up the hill to the forest. Much water in paths & several streams (one large). Found very heavy forest which we couldn't enter. A man who was cutting trees showed me a way and we a path. We set up a mistnet in a clear area in a forest & got three birds:

_____,

_____, and

_____. The #3 + ____ are in Mercedes

Mc Diarmid's Catalog. The third is in mine (#30). Since I had no machete, went with the man who showed us the path. The path had thick forest on both sides of it & was difficult to enter. Up about 1/2 a mile I saw and shot two woodpeckers from a tree about 50 ft high. The first ^{one} we looked for for about 20 minutes, the second got stuck in crotch of tree. Collected lizard (#25) in dense forest. Much to my surprise he died on the very same. He was on the ground in some soggy leaves. The

~~24~~ 24 I shot just after the thick forest ended & the less dense area began. #22 & #23 were together when shot. ^{Mercedes} got the third one but it was flown apart too much to put up.

C. C. C. C.
1967

4

Journal

Farrest W of Rio Tarro Omaris Bridge, 4 mi W Guapiles, Limon Prov, ^{Costa} Rica

cont.
July 24th

They all had blue (slay) eye rings.
#26 was shot at edge of farrest. #27, #28 + #29
were shot along the road on the way to the farm.
There were only two showers when we were out.
Arrived at farm about 3:30. We expected to
have collected much more than we did, but
the farrest was quiet. Saw about 12
~~turkey~~ ^{black} vultures in tree \pm 60 feet above
the fairly dense farrest. The tree was
full of leaves. Some rain afternoon

Las Diamantas Farm 1 mi S.E. Guapiles, Limon Prov, Costa Rica

July 25

Walking East toward where Mercedes + I had
decided to put up the mist nets we saw & heard
very little activity. As usual the flocks of parrots,
grooved-billed Ani, seed eaters, oropendolas, and
on occasions it is difficult to tell the sounds of insects
and frogs from the sounds of birds. We put the nets
6 (29 of them) in cut over primary farrest. The farrest was
dense enough to shield us from the rain.
Mercedes + I hunted separately as usual. Since
I am still w/o machete I went to the grassy
areas & the orchards bordered by farrest. I shot
a parrot ^{#36} who was one of a flock sitting in a tree
by the road. (Beautiful!). In an orchard of trees
(like palm trees but short & with little trunk.)
I shot a Great Kiskadee. Spent 45 minutes hunting
the bird that was talking to it when I shot it (mate)

C. Cavaleir
1967

5

Journal

July 25^{cont.}

Las Diamantas Farm 1 mi SE Guapiles, Limon Prov. Costa Rica
Then the rain came. There is no doubt about it's being the rainy season. A third Kike shot in adjacent field - couldn't find its mate. These birds are quite common. Shot another parrot in flock. Very difficult to kill. I only wounded it & had to chase it all over grass about 6 feet tall. It used its bill for protection & I used it efficiently & frequently. #31 was shot on top of high grass. It promptly fell into a ~~river~~ stream I didn't see. It was alone. #35

ad #37 was caught in the mist net.
#38 also mist net.

Many insects are biting me especially by the mist nets. I have yet to see Vireo (not mot's again). Shot a red rumped tanager but couldn't find it in the grassy field. Bought machete (22 colones) when we went to town. Should have mentioned that the parrot that was difficult to kill was one of two shot & downed with on half load. The other I couldn't find. Went scoping & saw none. Mercedes shot a Parakee who was feeding on road with companion. They flitted up then on ground again. Saw my first *Dendrobates*. No more snakes observed.

C. Cavalier
1967

Journal

Los Diamantes Farm 1 mi S.E. Guapila, Limon Prov. Costa Rica

July 26th

to the most net first thing. on the way shot a

#49. The #49 was in a tree & fell into

a stream. The water really didn't make a difference because we had another day of hard rain. The

#42 was feeding on the ground when I shot him. (on nose). Shot by the

#46 was an experience. It was dusk & I saw several in a tree. As I approach \pm 80 flew away. I saw one ^{only} remaining & shot at it. About 60 more flew in the same direction as the first group. The three netted birds were

July 27

to the nets - on the way I shot #47. He was sitting in little bush that was slightly higher than the \pm 6 ft grass around it. This is typical. Usually in bushes close to grassy area & close to ground. The

#48 were again all over the place. They are in trees up to about 20 feet. I haven't seen them much higher. Many of them in pairs. Shot this ~~one~~ off the top of fence post. #49 the was in a small grove of rubber trees. Same place I shot the dove #41 and just off road where I shot #42. Very active area. The was

C. Cavalier
1967

Journal

7

July 27^{cont}

Las Diamantas Farm, 1 m SE Guapiles Limon Prov. Costa Rica

feeding. About 5 minutes later
I saw a w in the same grove
± 50 trees. He was very difficult to kill. I had
to squeeze him for about 3-4 minutes. Shot
a hummer but was unable to get it out of
the tree. (tree (kind?) full of hummers. The
first net was empty & the second had only
one hummer. (Mercedes one Diamond's catalog)
We saw some sort of water bird. (almost duck
size) along the San Carlos River. Couldn't
get it. Still no rain today, only fog, but
lots of it. On way back in rubber tree grove
shot

#51. He was about
20-30 feet up in tree. About dusk there seems to
be more activity than in the morning. Finally
just after sun set we saw ~~two~~ (night hawks)
feeding on the road. Their red eye shine
helped me to see them. Shot only one.

It was good not to be drenched today from
the rain. (Up to knees in creek try to get #47

. . . Slock all the way - tomorrow
may have sun. Some blue sky is showing.
Insects as usual are plentiful. Some men
collecting insects brought us some baby
rabbits #53, 54, 55. One
skin, one alcoholic, one skeleton.

C. Cavalier
1967

Journal

8

Las Diamantes Farm, 1 mi SE Guapiles, Limón Prov. Costa Rica

July 28 Behind in skinning so I didn't hunt this morning. Mercedes hunted & opened the nets. SUNSHINE. Hunted in the afternoon & did poorly. We left the nets open for bats. During the day we got only two

I shot #56. #57 from the leafy top part of rubber tree. Shot & lost a hummer & a huge brown bird with tail fans. I should like to note here that the Las Diamantes Farm accommodations are fantastic. Good food, lots of room & inexpensive. (15¢ a long day) In the afternoon it rained very hard.

July 29. On the way to the nets (one of which we left open for bats) I shot a creeper ^{#64} from a small patch of rubber trees where I previously shot a creeper & a wood pecker. Also from the rubber grove across the road I shot a dove #60. He was one of about 12 doves in the tree. Shot two hummers & lost them in the grass (both from the same tree) The sun is shining at last. On a fence was #59 who I shot.

There are many of these in grasses & on fence wires & posts. The #61 I shot from a low tree. They are everywhere & their tail movement is obvious. The parrot was one of about 50 all sitting in the

C. Carvel
1967

Journal

10.

1.5 mi S. Cariblanco, Heredia Prov. Costa Rica

August 2 Hunted toward the river (down hill.) We saw many more birds than we could have shot because on the north side of the road is an incline that ~~was~~ impossible to descend & on the south side is a hill that is impossible to scale. The

67 was in a branch \pm 25 ft up over the road.

The # 71 was about one foot off the ground in some brush beside the road. The was another bird at it but couldn't find it. This bird & the rest were shot on the north side of the Rio Sarapiquí up the hill about a mile in the forest about 3 yds off the road was

70. She stayed in dense leaves for about 5 min & then emerged just long enough for me to pull the trigger. No sooner did I have her than

72 perched over head. He was still for 2-3 minutes & hopped about from branch to branch. When I got far enough away to shoot him he hid for a while. etc etc.

About 15 min later I got him. Saw 2 woodcreepers on tree \pm 50 feet high. Didn't get to them in time. The entire hour or so I hunted this spot a vulture was playing in the sky. The



69 and the tinoco mentioned # 68

P. Castelan
1967

Journal

11

(cont)
August 2 1.5 mi S. Cariblanco, Heredia Prov. Costa Rica
were shot just a few feet from the road.
I am now using the "half loads" I had
made in San Jose. The shot size is #6 or
larger & blows the birds all apart. But since
I could get nothing else made, it's better
than nothing. Alternate rain & sun,
clouds & fog in the morning. On the
way back I caught the little frog in a
puddle on the catapilla road \pm one city
block up from the Rio. We saw a tree
full of small birds (\pm 30) but the forest was
too dense to get to them. Skinned all
afternoon.

August 3 For me a very bad day. Got only one little bird.
in the morning. Put him up & went out
again but got nothing but wet. Raining
almost all day. We set up a
mist net beside the road where we
had seen a lot of bird activity. I caught
a land crab in the grass. The
74 was one of \pm 10 birds
feeding in a tree with fruits about this size.  this size.  Even tho I shot at the tree the birds
rapidly returned to feed. We saw (over
the ridge where we couldn't shoot) two
jays (beautiful blue) and a woodpecker
& many smaller birds.

C. Cavalieri
1967

Journal

12

1.5 mi S Cariblanco, Heredia Prov, Costa Rica

August 4 Fwd to the bat nets & found we had two bats.
(#80)

This net was set parallel to the road with forest & a cleft on the other side. There was evidence of two places where bats had probably chewed their way out. Went down the road again today. Shot two jays (#75 + #82)

They were two of about 7 jays feeding in top leaves of tree. Shot #78

as he(?) was feeding with a large (15-20) flock of similar (same?) little birds.

After I crossed the river I ran into two more feeding flocks. I think there were several species in each flock. The flocks moved from tree to tree as they fed. #76

#77 were shot from these flocks. The

was quite bold & came directly across the road from me. Not knowing he was a delicate bird I shot him with one of the Costa Rican shells I had made. There was hardly anything left to skin - feathers all over the place. The shells are entirely too powerful for anything less than a turkey vulture very far away. But it's better than nothing.

C. C. Caldwell
1967

Journal

13.

August 4^(cont) 1.5 mi S Cariblanco, Heredia Prov. Costa Rica
On the way back to the camper the daily colon pairs started & the birds hid from the rain (& me). During the day while I was skinning I heard little cheeps. I went to check our nets & saw #79 look as if she fell to the ground. When she came out from under the leaves I shot her. Very often one sees two of these birds flying about very rapidly, darting here & there - seldom landing. I set three traps by the truck but the rain snapped them all while I was skinning the bat. It rained as usual long & hard. All three traps had floated from their original position. The measurements on the bat are forearm & the During the night (12 PM) we checked the net (empty) & we saw no snakes. The next morning we will have planned to awaken earlier.

August 5 The net was down & had no bats. The fog was typical of here in the morning. We moved the net to an area with forest on both sides. Then down the hill to hunt.

A. C. Kunkles
1967

Journal

14

(cont)
August 5 1.5 mi S. Carablanca, Heredia Prov. Costa Rica
Again shot a #89 in
a group of 6-7 jays in tree tops. They
were not so shy that they didn't return
after a few were shot. Further down the
road in a low shrub & alone was #83
~~Across the bridge.~~

Across the bridge & up the other side we
found a small group of ⁽⁵⁻⁶⁾ #90
Finally we came to a open grassy area.
There were 3-4 horses & chickens & a donkey.
We chomped up & roamed around for
a few hours. There were 4 houses &
a corn patch. #85 & #86 [±] were in a
tree of many smaller birds. I am not
certain they are a pair. The squirrel was
in a tree & one its way up. (\pm 25 feet). Further
over in this clear area shot #87

• Before I shot him I
tried to hit the bird with him with
a sling shot but wasn't close
enough. Saw very little on the
way home. Shot #84
who was sitting alone in a low shrub
by the road. Forgot to mention the
lizard & frog were in the grass
on the far end of the open area
where we hunted. They were about

P. Currier
1967

Journal

15

August 5^{cont} 1.5 mi S Cari Blanca, Heredia Prov. Costa Rica
4 feet from the line of heavy forest. When
we arrived back at the truck we
found 8 birds in the net (1 later).
The hummers #92

#93

, #94

, and

#95

. Also #91

Got a trap line & it has hardly rained
at all so far so maybe... We
checked the bat nets at 9:15 & had 2
bats. (the same). #98

August 6 up before dawn & rushed to check the line.
Got two mice. Got the traps in 4 different
habitats. In cut grass w/ some visible
runways - could have been made before
grass was cut. - no mice. Second - along
hillside in short dense growth. No
mice again & much to my surprise only one
on the trap had ~~an~~ ant eating the bait.
The third was along & under old piece
of board near the truck. Here I got
one (caught his foot) #101

Also one other trap under the board
was sprung. The fourth habitat was
uncut grass-like green & here I got
#102

. I should add
that it was necessary to cover each
trap so that the rain & wind would

C. Cavalier
1967

Journal

16

1.5 mi S. Cariblanco, Heredia Prov. Costa Rica

August 6 not set them off. In total I set 30 traps.
In the net in the morning at 11^{AM} we
got #99. Then about

2³⁰ there was a #103.

Before I checked the trap line we checked
the bat net: There were 2 bats. One ~~bat~~
~~#100~~ which Mercedes has

& one #98. Didn't

hunt because I had so much skinning to
do. The sun actually came out but
at 4¹⁵ the downpour started again.

It rains very hard & there is a heavy
fog. Today's Sunday & there were many
Costa Ricans walking up & down the
road. Felt very safe though even if we
are two females. The people stare
a little but since we skin in the truck
they can't see too much. The weather
changes are too sudden to take a chance
skinning out side. Feeling a little strange
today - sort of upset stomach.


August 7 Up this morning to rain so we skinned
till about 8³⁰. Couldn't set the
mouse traps because of the heavy
rain. We got only one bat for
the net #104. Went
up the road to hunt. Saw 2 ~~Yaccons~~

C. Carolew
1967

Journal

17

15 mi S. Carablanca, Heredia Prov. Costa Rica
August 7 & many ~~to~~ little birds, & 2 creepers. But
they were all over the cleft & impossible to shoot.

Finally #107 flew into
the tree with the two toucans. But he was
over the road & therefore shootable. All three
birds appeared to be feeding on a large
dark fruit \pm this size . The #105
shot on a low branch

of a bushy tree. These are very flighty
birds - never in one place very long.

#108 was in the net

in the afternoon \pm 3³⁰ #111 we
found in the net about 6³⁰. Found the
lost trap with a mouse in it. The ants
had eaten him away a little so I made an
alcoholic out of him. The

#110 was one of a flock of birds feeding
about 5^{PM}. The traps I set in the
areas where I got mice last time. Not
much undercut or noisier places to set
traps. The rain is heavy again - I
hope it won't set off the traps. I covered
the traps with large leaves where they
were exposed. ~~to~~ I hope it works.

August 8 Had only one bat in the net (Mercedes bat)
and two mice in the traps. Under
one log must be a main runway because

P. C. C. C. C.
1967

Journal

18

1.5 mi S. Cariblanco, Heredia Prov., Costa Rica 2800 ft.
(cont) August 8 I have caught two mice in the exact same spot. The other mouse was also caught in trap under logs. #113 was dead & with ant insects (ants while #114 was covered & partly eaten by ants).
Set only 13 traps because of so little place to set them. No mice we caught in the grassy areas. Even so I set traps in the grass again tonight & also by the logs. Set some in high bushy (3 feet) areas with little grass but looked like runways. Again covered them with leaves so rain wouldn't get them off. Saw \pm 6 frogs, 3 toucans, & flock of parrots (\pm 8). They were all over the cliff & would be impossible to get if shot. The #112 was one of the \pm 6 flying over the road. They are trying to skin & put up. The #118 I shot w the pouring rain on way back to camp. It rained on & off till noon & occasionally in the afternoon but not in large quantity. The #115 was one of 3 little birds in a tree \pm 4 feet tall. In the net we got #117 & #116. The bear attacked the birds in the net so we must check

C. Caceres
1967

Journal

19

1.5 mi S Caublanco, Heredia Prov. Costa Rica ²⁸⁰⁰
August 8^{cont} it frequently. We set insect light up at 8⁰⁰ Unknown to me & absolutely heavier.
August 9 Up to dark clouds & possible rain. We had 2 bats in the net # 119.
The 13 mouse traps set were disappointing. I got only one mouse. This time with the high brush. But by a beard - like the other mice I caught. She was very floaty besides lactating. I was certain she was almost ready to give birth but she was simply floaty with air. I should mention here that having spoken with several people regarding what measurements to take on bats that I have had several answers. So I take the usual forearm measurement measurements plus the forearm followed by the (in that order). I think it better to have too many than too few measurements. While bathing the downpour came & shortly after $\pm 10^{30}$ PM we left for San Jose. We drove most of the way up Volcan Poas (Hwy 120 off Hwy 9) which is in Guanacaste Prov. There was not an over abundance of places to pull off the road to hunt. Either there were full of mud or too near the road & we were afraid someone might hit the truck. The

C. Campbell
1967

Journal

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August 9 1.5 mi S. Carablanco, Heredia Prov., Costa Rica
drivers here are amazing!!! We drove back to San Jose to get the Cotton & MVZ tags. Customs was a few hour hassle & we had to return early the next day for the packages. They wanted us to pay duty however we persuaded them not to charge us more than 35%. The air mail took days. The road to Carablanco was muddy & full of holes but on either side it had perhaps the heavens forest around. Much of the trees had been cut for as far as we could see on the way to San Jose. Volcan Poas caught us in one of her ditches but 4 wheel drive got us out. There was much less fog than there usually is there. One could see the plateau. It was cool enough for a sweater.

August 10. Left the Hotel Boston early for customs, bought a suitcase for birds, & left for Guanacaste. To get to Taboga it took us 4 1/2 hours which includes back. This is supposed to be excellent time. We took Hwy 1 (Pan American). The area around Taboga is amazing - green, green, green. It's quiet, has lots of birds, has colorful sky & is

C. C. Caldwell
1967

Journal

21.

August 10 Fina El Jimenez, Guanacaste Prov. Costa Rica
very warm. Quite a change from the deep
of rain we've had elsewhere. We unpacked
then drove into Las Cañas to mail letters.
We saw cattle egrets, anis, caracaras, magpie
jays, great kiskadees, seed eaters, lots of cuth
(many on the road) many speeding
land rovers, muchos large Iguana
iguana & Otenosaura sp. I have seen
them w/ the museum but never alive.
I could hardly believe my eyes. They were
all over the place. In fence posts, in
trees, & on the road. The turkeys &
black vultures ^{are} ~~are~~ plentiful as
are the mosquitoes! Heard & then
saw an owl who sounded like a
dog barking. It got dark about
6 PM & there is electricity on w/ the
dining room only so skinny stays at
sun set.

August 11 woke up to the cries of howler monkeys.
Sounded as if they were directly over the
window however they were up the hill
behind the house. Such a racket. The
first time I have heard them. Amazing.
During the night the insects weren't bad
at all. Was a little dizzy this morning
& didn't eat much breakfast. We drove

C. Pavolan
1967

Journal

22

August 11^{cont}

Finca Jemoney, Guanacaste Prov. Costa Rica
down to the Rio Segueron which runs through
the Finca. ($\pm \frac{1}{2}$ ^{S.E.} mi). The first bird I shot was
a hawk which I gave to Mercedes for her
birthday. She has wanted one for sometime.
Began to feel more & more dizzy. Observed
a group of 7 black vultures & one (white
stork) in a dead tree in the middle of the
marshy area. Also saw a night heron
who stood for sometime on a dead turned
over stump. Even though I was a short way
from the truck I thought I'd never
make it back. Left Mercedes a note &
started to walk back to the Litch House.
On the way I shot a #121
He was up about 30 feet & fell in high (7 feet)
grass. Many insects there! The Litch
#122 are all along the
road & to a little hop & almost twist in the
air. They were in the grasses along the
road. The #123 I
shot from a fruit-filled leafy tree. On the
tips of the branches. He was near
the river. (100 yds). The
#125 was sitting on a cattle watering
trough near the marshy area. I saw
several of these on fences (wire). The
other dove #1259

P. Pavlov
1967

Journal

23

Finca Jimenez, Guanacaste Prov, Costa Rica

August 11 shot on the road to the cabin. He was alone & was making little short runs along the dirt & rocks. By this time I could think of nothing but getting back to the house. A pity because there are many birds here. Skinned in the afternoon, felt a little better. Set 15 mouse traps & was nearly made a skeleton by the mosquitoes. Saw 3 cocky vultures directly over head while setting traps. Sleep birds. Parrots in flocks were frequent sounds & sights as were Kiskadees. It rained for about 1/2 hour. The sunset was beautiful. Still dizzy & slightly weak in the knees. Not hungry & that is unusual. Saw no Iguanas or Ctenodactylus today. Collected a Bufo marinus on the door way outside dining room. There are 2 or 3 here every night. The dining room has a life.

August 12. A short rain during the night - and only one mouse. The area near where I set the traps could be the reason but I'm not certain. I saw runways & set traps in them. Got a late start because I had to clean the shot gun. Hunted the same area as yesterday except went further & closer to the river. Shot a parrot but he wasn't quite dead

C. Powell
1967

Journal

24

1/2 mi S.E. Finca Guiney, Guanacaste, Costa Rica
August 12 I couldn't find him. Great disappointment. From
a \pm 60 foot dead tree I shot #128

. Her mate which was close to her
when I shot her came flying at me & squawking
loudly. I did the obvious - shot him w/ a 22
because he was so near. About 100 yds from the
river is a fruit filled tree I shot #130

. Was feeding & very flighty. I
walked to the river & noticed how quiet every-
thing was. Looked up in the trees & to the left
about 8-10 monkeys. (Lesson: don't stand
under a tree full of monkeys.) As I started to
put my hand on what looked like (from
the corner of my eye) a large tree trunk it
moved!! A huge huge squawk. Very
startled. Then to my utter amazement
I saw about a dozen legless scampers
across the river ON the water. They
actually ran on ~~the~~ top of the water. The
#131 and

#132 and

#133

were all shot within 100 feet of the river.

#132 & #133 were flying about like mad
around tree trunks. The two

#133 & #134 were both shot on the road to the
cabin. Both were doing their acrobatic
jump displays. #135

C. Pauline
1967

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Journal

34 feet

1/2 mi SE. Finca Timoney, Guanacaste Prov. Costa Rica

August 12 was just perched on the thin branches at the outside of the tree. Home late. Skinned afternoon. Rained heavily - we had to close the windows it rained so hard. It brought cool breezes which after a hot day were more than welcome.

August 13. Set net first thing. It ~~was~~ lengthwise on an overgrown road between two patches of vegetation. (Many dragon flies!) Down to the river to hunt. The # 134 was doing its "dance" in the grasses. Occasionally he lands on a different branch from the one he began from. Then he returns to the original branch. I have seen them do this jump ^{many} times in trees but much more frequently near the ground. The

137 I shot from a tree where he & another bird were chirping. I was unable to follow the other bird. # 138 was feeding alone. He was quite active. The hawk

139 was calling (but not being answered as were 3 other hawks I saw today) from a much lower branch than any other hawk I had seen. He was not on top of the tree as the others have been. He also was under branches w/ ^{many} leaves.

C. Pavlov
1967

Journal

25

^{cont}
August 13 1/2 mi SE Finca Guinera, Guanacaste Prov, Costa Rica
for about 1 hour of this morning hunting
I felt extremely dizzy but have felt better
the rest of the day. Came back to the
cabin & hunted near it for little birds
(22's). #140

was feeding
with 3 others high in end branches of pretty
leafy tree. The dove
flushed from grassy area below 3 foot
tomb. Could find no nest where he was.
#142 & 143

were feeding
in tree with some light yellow birds. They
flew away before I could get one. They
are flighty birds. The
was jumping before I shot him. The trap
set with peanut instead of cat meal.

*see next page
Also set traps in higher grass & shrubs
away from the newly cut grass. Set 19.

August 14 Rained during the night. Got only one mouse
but she had bushy fur so she was worth
all the trap setting. She #145
was in a peanut butter trap. #146

was alone in bush beside road.
It was singing & quite still. There were no other
bushes near - only grass. On a large tree
with large leaves I shot #147.

Saw 2 others later in the day & they looked as
if they were feeding each other. This was

C. Cavaleri
1967

Journal

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Finca Jeminey, Guanacaste Prov, Costa Rica

August 14 done on a ~~low~~ branch. The
#148 was singing on branch \pm 2 feet from ground.
He was surrounded by tall grass (and mud). The
#149

was not jumping as
I have seen others jump. Still dizzy. Set
15 mouse trap - this time almost all in
bush with peanut butter. Shot a #150
on road. Was feeding as
is typical of them. Jumping in the air then
landing on road again!

* see
page 26

August 13

Went night hunting on road with truck. Saw
38 in 6 mi in 6 mi & saw

insert
from
August 13

34 on return trip (6 miles) Also saw 2
nests, one dead armadillo & one alive one
one small barn owl & one Otus capensis.

August 14 (cont) Drove to Lañas & saw 7 in 6 mi but on the
way back (6 mi) we saw ²⁷ paraguas on
the way back. Also saw 5 barn owls, one
of which Mercedes shot & I stuffed it (#151)

August 15. One mouse #152. No bats.
Feeling very ill. Hunted near the house. #153
& #154 shot in big leafy tree

No singing. The #155
same leafy tree but 15 min. later. The dove
#156 was one of 2 perched on dead ~~low~~ log
The hummer #157

in very leafy bush. Spurred paraguas, owl &

C. Castler
1967

Journal

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Finca Timenez, Guanacaste Prov. Costa Rica

August 15 mouse then went to bed. Can't keep food down & am extremely dizzy. Not a hard time even with alcoholic tags. No rain & very hot. Most of day sleeping

August 16 Stayed in bed all day - very ill but felt better at night. The four birds from today were from the net. Made effort to go owl hunting. Saw 1 Barn owl & many parakeets (2 on fence posts)

August 17. Still very dizzy - I hunted one bird, came in to rest hunted another then another 1/2 hr. rest. Not the way to build up large collection. 162, 163, 164. There are in small 10'-15' ^{leafy} trees near house (couldn't walk far at all!!) The 165
flew low onto an unhidden branch. He moved up the branch (10°) as I was aiming. Monkey yelled at the shot even though I saw none before I shot. Rain (heavy) in afternoon. Couldn't stand up long enough to set traps. The owl hunt: 4 Barn owls, the usual large number of parakeets one *Myiophobus v. v.* & a *Atys b. b.*

August 18. Again feeling ill (not so extreme today) still about \pm 3 PM. Haven't the energy to hunt for any length of time. The #167 was on dead log walking



C. Carolew
1967

Journal

29

Finca Jemenev, Guanacaste Prov. Costa Rica
August 18 slowly up. (slight degree) than 4 years ago.
The two woodpeckers # 168 & 170

Shot from same tree. Large
dead (but many small branches) tree
168 \pm 8^{AM} & 170 \pm 3^{30 PM} The parrot also
was shot from this tree \pm 9^{AM} The
reason for this tree's being popular is that
I got to dizzy walking any further. Am
feeling better today though. The 171
was in leaf tree going from branch to branch
very fast. Owl hunting ^{over} 5 Barn Owls
4 Screech, 1 Virginia Opusculum. The
parrots were plentiful. Collected one Barn.
They are hard to kill. Shot it with those
shells I had made here & it wasn't
dead when I found it. The mouse traps
are around a rocky area tonight. Set
only 10 - Rain light

August 19 Feeling better at last. No mice in the traps.
Can't understand why I haven't caught any.
We went to the river today. Mercedes &
I hunted together today for the first time.
Shot # 173 from a
^{bare} limb \pm 60 feet up. He was about
10 feet from the river. He was making
no noise & his neck was tucked in &
looked very short. The 174

C. Cavelar
1967

Journal

30

1 mi S.E. Finca Jimenez, Guanacaste Prov. Costa Rica
August 19 was in a bushy (± 6 foot) tree feeding. The monkey was in a group of ± 8 other monkeys. She got stuck to the tree & I expected a reaction when I from her "family" when I shot her down, but not a sound or action. She #176 was in the net. When I put up the owl from last night (#172) I found in his stomach only grasshoppers remain. Night hunting ^{saw in} 6 mi - 28 parakeet, 4 barn owls

Playas del Coco + Finca Jimenez Guanacaste Prov. Costa Rica
August 20 Rain light in the morning. Heavy overcast. Left for Playas del Coco at 10^{AM}. Saw sparrows, many anies, cattle egrets, vultures ~~two~~ only one hawk, ~~the~~ had lunch at the beach & sat w the sun. Watched the three brown pelican dive. Very warm water - light overcast but we got a little red. Came home & packed. Tomorrow we leave.

San Jose, San Jose Prov. Costa Rica
August 21 A move to San Jose after fast minute packing. Leaving Finca Jimenez we finally saw the bob white which we had heard calling most of our stay there. The drive took about 4 hours & we had good weather till

P. Paredes
1967

Journal.

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2670

Hotel Boston, San Jose, San Jose Prov. Costa Rica

August 21 we were just outside San Jose. Heavy Rain
Packed some birds to mail. For mailing
details see Mercedes & the Pearmids' notes.
(permits for import, export, collecting etc.)

August 22 Since I didn't have a collecting permit
we decided not to ship anything in my
name. They asked to see collecting permit.

~~August 23~~ Villa Mills 5.1 mi SE Cerro de la Muerte, Cartago Prov. Costa Rica

August 25 In clear weather we left San Jose at 9^{AM}, took
Pan American Hwy. 2 through Cartago & on
to Cerro de la Muerte. The drive took
about 2 1/2 - 3 hours. We had rain & some
hail as we neared the summit. Heavy
rain in the afternoon. Finally at 4¹⁵ it
stopped raining. Cold outside but I set the 3
traps anyway - Expected rain the entire time
but it stayed clear. After the traps I shot
a #177. It was too dark to skin.

August 26. Got 2 mice - one at base of tree other under
pile of thin sticks at near brush. Used
peanut butter for bait. Clear morning, cool
but not cold. Shot #178, 179, 180, & 181
() each from a group
of the same feeding in trees. None were
solitary. #183, 184, 185
spend time hopping on the ground as well as
sitting in trees. The #187

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1967

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(cont) Villa Mills 5.1 mise Surrode la muerte, Patagones ^{Cady} ~~Rio~~
August 26 was with another in a tree &

was eating purple burra. # 188
was feeding & hopping on the ground. The

189 was feeding from a white flower
which grows close to the ground. The # 190

was about to land on a branch
when I shot him. Used a half lead because I was
afraid I wouldn't hit him. Other than
that I have been using 22's on everything.
The birds are very tame here. I think
I will have no problem with 22 shells. I still
have a couple of half leads. In a small
bush I shot # 191

The # 182

& # 186

were not eaten or covered with ants or insects
as ~~they~~ were ^{the mice & parrots} else where. The rain began
about 1³⁰ and at 4⁰⁰ when I wanted to
set traps it was a heavy downpour which
stopped about 7^{30 PM}. It is very very cold
here. Ray McDiarmid brought us some
birds from a net I helped him & Dr. Peter
Raven put up for bats. # 192

193

No mosquitoes or biting
insects. I hunted in the dense areas but
they were more quiet than the slightly
open areas. Area green & full of little
puddles.

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Vila Mills 5.1 mi SE Sero de la Muerte, Parítago Prov. ^{Parítago} ~~Parítago~~

August 27 Clear morning until about noon when the fog came in. The afternoons are usually foggy as are the nights. #197 was feeding on the ground near a puddle of water ()
The #194 was on brushy

hill feeding on sparsely grass covered ground. There were 3 of them together. The

#195 was apparently feeding from a flower with several hummingbirds on this same plant about 20 min. later I shot #198 & #199

• The #196

was in a small tree \pm 4 feet. It was leafy ~~tree~~ ~~thickly~~. Saw \pm 7 parrots fly over head. Later in the day one flew but I didn't see it land. Saw another squirrel but it looked as if it had a gray tail. Set traps: 10 with tuna fish & 20 with corn meal. The first 15 in shrub & the second 15 in forest by logs & tree bases. Saw 3 or 4 bats but didn't shoot them.

August 28. Clear again the morning & fog about noon. Today is the warmest day we have had. The two mice #200 & 201 were caught in the forest (none in the shrub) one in a dead tree

C. C. C. C. C.
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- ^{cont}
August 28 Vale Mills 5.1 mi SE Cerro de la Puente, Costa Rica
stump which was hollow like a tunnel &
the second under a dead moss covered
log. One #202
was feeding in large clear area & had 6
worms in its mouth. The second
#203 was in a low shrub &
wasn't feeding or eating. The
#204 was feeding on clear
ground surrounded by low shrubs. #205 &
206 I frequently saw in leaves making little
jumping back movements as if looking for food.
They are often in dense
areas. #207 is very common.
Shot her from a low tree. Warmer tonight.
We stopped skinning early to go bat hunting.
We walked a little over a mile & saw only
one bat. By that time (dark) last night we
had seen several.
August 29 one mouse in the low brush (bats corn meal)
Packed & drove to Hotel Boston. Saw only
one hawk on the way. No rain today.
It began to cloud up about noon on
the Cerro.

C. Pauline
1967

Journal

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August 30
to Sept 10

San Jose, Puro, Costa Rica

Packing, sightseeing & shopping. Found it is cheaper to eat out than at Hotel Boston (\$1.00 per meal) out is usually ±60. Bought some 22 shells for Panama ~\$1.00 per box. With 2 OTS (Organization for Tropical Studies) students took train to Limon 12^{15 PM} to 6^{30 PM}. Stayed at Hotel Park (had no mice - set traps) for \$3.00. There are less expensive places. My favorite city - the Atlantic, docks, trains & many Colombians. Bought a turtle shell at a "factory" which slots them for food. The shell was \$4.00 (too much - should have gotten it for less). Needed to be cleaned. Hotel didn't fuss when we brought it in. Returned by plane to San Jose after another day of sightseeing. (\$4.00) Bats on the roads by the ocean & we heard three ^{all} ~~lots~~ of sharks. Dried turtle shell (which is for me not museum) at the University w the hot house. Didn't dry very well in 5 days. Sent it to the U.S. by plane (over weight) with a friend. Have no idea if it arrived (passed customs.) It was packed in a gunny sack. Took bus to Puntarenas beach (alone) sun hot, rain afternoon, Hotel Imperial \$2.00 per night. Bus was \$1.45. Fruit was more. Costa Rica =

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August 30 ~~September 10~~ San Jose, Prov. Costa Rica
Safe for & alone if she travels during the day.
Train was at night & a little discomfort
walking from station to hotel. Take the
other train not the one to Limon. 2 stations.
There is a airport bus for \$30 instead of \$5.00.
Ask hotels. VW buses. Sent all souvenirs
home & anything I didn't use collecting in Costa
Rica. She overweight on planes!

September 10 Left Costa Rica by TACA but on a
chartered plane (it left earlier & I wanted
time in Panama to try to get to Yaviza that
day. Flight \pm 45 min.

September 10 Panama City, Panama Prov., ^{Republic of} Panama
Arrived 1:30. Was told the flight to Yaviza
was cancelled because the area was
quarantined. But since the plane for
Yaviza, Darien Prov. left from Paitilla
airport (not International) I called &
made reservations for next plane. (6^{PM}
Sept 11th) In order to get colectivo \$1.50
into town (instead of taxi \$5.00) had to
wait for an hour. To Hotel Ideal.
\$4.00 per night - there are rooms for \$2.50
but have to get there early in the morning.
Telephones are very difficult to use.
Hot & humid.

C. Paulsen
1967

Journal

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Panama City, Panama Prov. Rep. of Panama:
September 11. Left hotel 5⁰⁰ AM (dark) by taxi (\$1.00)
for Paitilla airport. One way ticket \$10.50.
plus \$5.00 for overweight. (I carried most of the
heavy stuff so they didn't weigh it.) Well,
9 of us got in the 6 passenger plane & off we
went into the clouds & rain. I flew the
plane part way even though I was in
the back seat) because the pilot
was doing his fingernails & the plane kept
turning left till he would look up &
straighten it out. We flew low enough to
see birds but I didn't because I spent
most of the time worrying that the wheels
would come off the airplane from the
tremor we ~~so~~ almost hit. In the fog part
of the way. Saw a clear area. Looked like tons
of swamp & dense forest. Can't imagine how to
collect here. We dropped off the other passengers
at La Palma. While waiting for the plane
to leave again, I suddenly realized I was ~~was~~
the only ♀ & the only white. A moment of
concern, but the land & water was just so
pretty to care. Beautiful trees w/ orange blossoms.
The pilot & his one passenger (me) took off for
Gavija. I wish he had paid more attention
to his plane & less attention to me. He just
couldn't understand what I was doing here.

C. Cavalier
1967

Journal

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^{cont}
September 11 Yaviza, Darien Prov., Rep. de Panama
At that moment I was having trouble understanding what I was doing here too because directly below were two crashed airplanes & a landing strip which I couldn't tell from the forest!! Well, the mud wasn't quite as deep as I thought & we didn't hit any of the trees. (I have a pilot's license & am not usually too afraid, however I usually don't try to top trees with airplane wings) Got out of the plane, conversed with pilot for a few minutes & off he went. Since there was no sign or people I wasn't really certain I was in Yaviza. Walked to the river a few feet away & tried to wave down a boat. The people were friendly... they waved back. Finally (1/2 hr. later) I got 2 men to understand I wanted to go across the river to what I guessed was Yaviza. The three of us & all the luggage (mostly collecty stuff) got in dug out canoes & went across down river. The banks are steep & slippery. They hadn't heard of my friend by name but did know of one Gringo (white non Spanish speaking) who lived in town with a dug out canoe called the "Pink Panther". As I walked up the stairs to a board house on stilts I wondered just

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Journal

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Yareiza, Darian Prov. Rep. de Panama
September 11, what I would find. The door opened slowly on an unshaven & somewhat surprised Gringo. At last I had arrived!! By the end of the afternoon I had ~~heard~~^{heard} of the two murders next door last week (they got it with a machete) and of various other choppings. But Gringos are safe except my friend Peter. I eat with a Panamanian family next door to Peter's house. I am glad by the way that it is dark in their house at dinner time because it may take me a few days to get used to the food. The charge is \$25 a meal - lots of rice, some meat. At night one sleeps under a mosquito net to keep the bats away. Warm, no rain, sunset, music till late at night & lots of noise.

September 12 Everyone up $\pm 6^{\text{AM}}$. There are 43 little chickens living in the Siscu. It's amazing what one can get used to. Went down river to El Keel (1 hr. with motor). Saw the following along the shores: neotropic cormorants, common egret, little blue heron, snowy egrets, white necked heron, great blue heron(?), black & turkey vultures, green heron, wood side hawks (*Buteo magister*), white necked crane, yellow crowned night heron,

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Sept ^{cont} 12 Yaviza, Darien Prov. Rep. de Panama
jacans, spotted sand piper, (4 yps pigeons),
blue ground dove, ruddy ground doves,
swifts (? don't know which) hummers,
rufous Vailed hermit, lined woodpecker,
Laughing falcon, capped heron, (heard
a macaw (blue & gold we think)) ^{saw} rusty
margin, barn swallow, rough winged
swallows, mangrove swallows, martins
(gray backed?), Ani smooth billed Ani,
Great Ani, Ora pendula, yellow backed
tanager, blue-gray tanager, yellow backed
oriole, keel billed toucans, blue black
grass quits. On the river about 3 hours.
When we arrived in town we were asked
if we had seen the body floating down the
river. Nope, too busy looking at birds.
The man got it with a machete too. They
haven't found the murder yet. Got some
chicken feed, check out possible must net
sights, had lunch with ^(Mr. Enrique Ochoa) very nice family,
& headed back up river in slight drizzle.
(walked around town) & talked with many
of Peter's friends. Dinner was good. Boy
brought #209. I paid 15¢
for it. Since I have no gun I tried to
get some of the natives to collect for us,
but they are amazingly lazy.

Sept 13

C Cavalier
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Sept 13

Yareiza, Darian Prov. Rep de Panama
Today we looked a little up river for net
sights & visited the enterioceros who
are starting planting things other than rice.
Very hot! On trail saw rusty margin
flycatchers, blue gray tanagers, yellow
rumped tanager, crimson backed
tanagers, grass quits, one rat, huge
flying beetles, little brown flycatcher(?)
(heard tinamous) and ruddy ground
doves. The #211 was

flopping on ground so we caught him. Agreed
w/ Peter (a native) bought a snake #210

. A young hunter brought a motmot
which I paid \$5 for. It's alive so I'll wait
to skin it because I want to look around
some more. I think I'll stay about a month
I will have to go to Panama city soon for
more formalin & containers. I want to wait
a few more days before start collecting
so I'll know my way around better. Peter &
I are the only two white people in town.

Rio Pirre, .4 Km SW El Real, Darian Prov. Panama

Sept. 14.

I about 9⁰⁰ a young hunter brought a
#220. Paid 10¢ for it. On way to El

Real by motor on deep cut canal saw:

yellow crowned night heron, American egret,
kingfisher, cormorants, rusty margin flycatcher

C. Cavatini
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Journal

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Sept 14^{cont.}

Rio Pirre, . 4 Km S.W. El Real, Darien Prov. Panama
greater ani, white necked heron, snowy egrets.
going down the river we saw a man throw
an almost dead snake into the river. We
raced down & got it. #219.

Had lunch with Bob & Janet for i Peace Corps
i El Real. They had a 22 so we all went
hunting - They for birds for their school & me
for MVZ. We shot #207 on limb over the
water. ^{In stomach had armored catfish 190 mm} He had
and many broken fish bones. a strong odor. #218 was

sitting on limb alone too. On a rock beach we
left the boat & collected a couple (10) of crabs
#213. They ran to their
holes when we got about 7 feet away. We
(Peter) caught the w/ a stick with which he
ploched the hole so the crab couldn't enter.

#214 & #215 were shot from
tree ± 60 up. The #216 shot
from same tree about the same height up.
The parrots I m told like the fruit of the
same tree. We all sat on the beach
for a while & talked. We came for a visit &
ended with 5 birds & a snake. When I know
they had a 22. Shot several times at a
Amazon & ringed King fisher but couldn't
get one. Both Bob & Janet and Peter.
Slatter have netted birds here so I will

C. Caceres
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Journal

4/3

Ponana

Sept 14^{cont}

Rio Pirri, .4 Km S.W. El Real, Varadero
got advice from them I hope. Skinned
the two parrots & the toucan, gave the
meat to the Fishes for their salad & head of
back to Yaviza 5:45 I was able to see
some heron from the Fishes. for \$60. I
got to drive the "Pink Panther" home (with
direction from Peter who knows the roads.)
At night must be extra careful of objects
in the atm. Saw one large bat (fruit?)
and several smaller ones. Saw ruffed
herons just outside El Real. Arrived in Yaviza
after day, had dinner, fixed snakes, birds & went
to sleep - very tired.

Sept. 15

Bought bread, moved the 43 chicks out of the
kitchen & set up a skinning place (in the kitchen)
Today we skinned & prepared the birds we got
yesterday. We had 10 little hunters bring us
lizards. Paid them 5¢ for 2. They took a while
getting them but we still got quite a few. They were
all caught in town & on the banks of town. The
#247 was from Yaviza on
the edge of town. Spent some time trying
to organize a space to put everything. Tonight
& Indians came to visit (plus the usual
crowd of kids from Yaviza). Four of them
will spend the night. Chochi Indians
very friendly - from Rio Nequesa. One of their

C. Carroll
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Journal

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Cont. d.
Sept 15. Yaverja, Darien Prov., Rep de Panama
Children is ill - malnutrition. Another's woman's
sick kids are still upriver - being "cured" by
a witch doctor. A few of the Indians speak
Spanish, the others chocó, their native tongue.
(also speak emberá dialect.) #247

Stomach content: fish 59mm, 70mm,
40mm, 59mm, 60mm, 50mm, 40mm, 30mm, 40mm, 59mm, 30mm.
1 dragon fly, 1 Belostomatidae 40mm, 1 long
thin fish more than 100mm (part missing), pentodon
from red crab, grasshoppers. The fish the
Indians don't feed as Guavina.

Sept 16th Did some washing, cleaned "lat" a little then the
little hunters started stamping all over town for
lizards. An Indian caught two fish ²⁶⁴ for me in
the Rio Chucunague which runs in front of
town. A mesquite here gave me another fish; #248

→ . All the today's catch is from
town. The bat #266 was shot (with a wing shot) from
the roof of a house. The other bats are from the Coco
palm trees #267, 268, 269, 270, 272, + 273

→ . #318 was by the river. Warm day.
Some more Indians came to spend the night. A
family w/ 3 kids. They are darling. The family
was much more polite than the Indians from
the night before (kept us awake ~~for~~ all night).
They slept on the wood floor under a tarp
sheet. Messy but fun. Unfortunately all

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^{cont}
Sept 16th Yareiza, Barian Prov., Rep de Panama
the guests take time from collecting, but I'm a
guest too & glad for a place to stay. Signite
in town - music till 2^{AM} loud & clear - 3 live
bands with wild dances. Safe to be out till
the lights start #12 - 1^{AM}

Sept 17th Hot. Peter (Slattery) spent most of the day
building a container ~~to put~~ ^{to put} the skeletons in.
There are numerous flies. The # 321

which we had a cage died so made
a skeleton. Very heavy molt. # 332 was found
in a Yance tree. He was
molting heavily, but much came off in washing &
skinning him. # 333 I am
told is common. He has 8 eggs (I think). Found
in town. The # 334 had what

looked like cockroaches in its stomach. (There are
tons of them all over - even in the day they
run around the house.) The legjars again born
town. We were brought a tiny baby hummer
which Peter has decided to raise. It eats
sugar, water & vitamins. He (?) lives in a film
slide box & is fed by a syringe when ever
he cries. Peter is also trying to feed, with not
success, a set viper (3). (Hognosed viper?)
322, After being skinned we put him

in a box & solution to sleep over
night. I fell asleep at 8⁰⁰ & got up at 7³⁰ Full

C. Cavdley
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Sept 17 Yaviza, Narina Prov., Rep de Panama
very good. Best night sleep since Costa Rica.
Sept. 18 More lizards from "the little hunters". The #349
was shot while flying by the
river by one of little guys. The other three
350, 351, 352 were shot from mango trees.
in the morning. We skinned the snake
skin from yesterday + $7\frac{1}{2}$ feet. - Was given
#353 as a gift - caught in
the river in front of town. The river is always
brown & contains the sewage from Yaviza.
Set up two mist nets. one #1 (6 meters) in a
grove over orchard (~~grass~~ vegetation 152
feet.) Also here we set 28 mouse traps
& 2 gopher traps. The other mist net we set #2
top of a hill (small) directly up from the
river. Only a few trees - grass $\frac{1}{2}$ -1 foot.
On the edge of the cemetery. On the small
net we got a hummer #354
and #355 . #356

from Yaviza. #357
was caught by hand from a mango tree in the
city about 6:30 PM. Peter & I left the nets up for
the night. At 8:30 PM we checked the nets. On
net #1 we found #358 + #359
#360 and #361

On net #2 was only #362

We were attacked by several million mosquitos.

C. Paerle
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cont
Sept 18th

Yaviza, Varian Prov., Rep de Panama

#354

feet reddish flesh colored,
upper mandible all black, lower mandible flesh
becoming yellow & black the end third. Skinned
till 12³⁰ light fair to poor. It is difficult to get
anything done because of the high number of
visitors. Today there was a little rain about
four, but we are having a relatively little
rain for Yaviza this time of year.

Sept 19th up at 5³⁰ to check the nets. In net #1 (over
grown orchard) we had #388 & 389

• Also #390

and

#391

• The mouse traps were
empty - most had bats skinned in them. The other
net #2 ~~is~~ had 2 bats #392 & 393

• Also #394

& 395

• One of the kids brought a
bat from his house #396

The nest #397 and the 2 eggs #398 are from a
Ruddy ground dove. Nest was 3½-4 feet from the
ground in a tangled low shrub. The skeleton
#399

is the same ~~bird~~ species

as #390. #400

, #401

, #402

, #403

were from net #1. These were
collected about 3³⁰ Net #2 had #404
and 405

and 406

• #407 ~~was~~

C. Pavlov
1967

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Sept^{cont} 19th Yaveja, Darien Prov., Rep de Panama
was brought to us by a "little hunter". The fish
408 , # 409
410 , # 411
412 were caught from the

fifty duty creek which runs through town. It's
really more of a river than a creek. When
the creek floods there are big fish which the
people eat. Since I am collecting without
permits & have no export or import permits Dr.
Pearson suggested I do mostly alcoholics &
skeletons. # 413 was caught

here in town in a palm tree. I should mention
the reason I have no permits is that I didn't
know I would be collecting in Panama until
a few weeks before I left Costa Rica.

Sept 20th At 6¹⁵ a little knock on the door & in walks
a # 441 . Then off to the nets:
in net # 1 we got # 436
439 , and # 440

. Net # 2 we got # 437
+ 438

At the nets I began to feel ill & by the time we
got back I was wrecking (in the morning)
(also had extreme tourist's). Spent the afternoon
lying down - did eat a little dinner. Fever
There was quite a bit of activity in the
afternoon. Some kids brought in 3

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Journal

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Sept 20th Yaviza, Darien Prov, Rep de Panama
live large bats ^{from wing palms} # 442, 443, 444

. Coming in the front door at the same time were 3 rather frightening looking men with two ~~cans~~ snakes they said were poisonous. Sent next door for Peter - The snakes weren't poisonous & one wasn't even a snake. # 446

The snake # 445 he wanted \$5.00 for but settled for a dime after much discussion. He thought he had risked his life. The afternoon nets brought in # 448 (skeleton) who is same as # 366.

also #'s 449, 450

. # 451

452

The kids brought in ~~five~~ ^{five} bats: # 453, 454, 455, 456, from Coco Palms & ~~from~~ Palms. # 457

came from papa was a hut in town. The evening nets: ^{net # 2} # 458 (skeleton) same

as # 406. Also in net # 2 was # 459

460

, # 461

In net # 1 were # 462

463

& # 464

465

was brought in by a little boy. He got it in a ^{cocoon} ~~coco~~ Palm. # 466 was brought in in fairly bad shape. Due to heat he has started to slip a little. Also in the evening net # 2

O. Cuvillier
1967

Journal
Yaviza, Darian Prov., Rep de Panama

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Sept 20 were # 467 and # 468

. # 469 is a group of fish that the kids brought from the river.

470 up to & including 479 we found in Yaviza. # 480 was found under a house (on stilts as are most of the houses here.)

Sept 21 From net #1 only # 481 and from net #2, # 482, # 483

and # 484

. # 485 ~~was~~ was brought in by a "little hunter" under a house as was

486

487

and 488

The bats # 492 up to and including # 506 were brought in by the kids & found in the roofs of their houses. # 492, 493, 494 are

. # 495, 496, 497, 498, 499 are # 500

501

, # 502

503

, # 504

505

, # 506

507 is group of fish the kids brought in from the river in front of town. # 508 up to & including # 514 are from town. # 508 + 509 + 500

511, 512

, # 513

514

. hot, ^{small} shower, humid.

C. Cavalieri
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Journal

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Yaviza, Darien Prov., Rep de Panama
Sept 22 overcast but cleared - hot, humid, no rain.

Dry ~~season~~ ^{spell} for this season. From net #1:

515

, # ~~516~~ ⁵²⁰

521

, # 522

524

, # 525

526

, # 527

528

. The group of fish #529
are from the river in town. # 523
was found in town. They are
very common. A family in town wants to
sell a baby deer ^{alive} for \$20.00. I told them
I'd buy the head & hide for \$1.00. NO. I may
get it yet though. They sell alive, wait till they
grow up, then eat them. Was side tracked
by some wild music (live) from a house
near by. Since it is not considered poor
manners to stop in a doorway & stare, I did
just that. (along with about 20 other people.)
2 drums, 1 accordion, & 1 scratchy instrument.
And could they sing. All very dark skins.
The bats # 530 - 536 the kids brought in from the
coconut palms # 547 was
by the river. More Indians spent the night
The "lat" is a mad house. There are kids in &
out all the time. It is necessary to leave the
doors & windows open for ventilation - conse-
quently everyone stops by for a visit or to

C. Cavaler
1967

Journal

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Yareiza, Darien Prov., Rep de Panama

Sept 22 bring a lizard. Some one brought 7 fetal pig over. They were quite large so I decided MVZ wouldn't want them ~~any~~ because they are domesticated.

Sept. 23 overcast, very warm, visit by some missionaries. Took down mist nets & cleaned up "lat" & prepared for trip up river tomorrow. In net #1 we had #550

#553

, #554

#555

#561

In net #2 there were #549

and

#552

. The snake skin was in

Yareiza #551

. The three little

rabbits were found due west of Yareiza 2.5 miles.

They are all three from the same litter. #556,

#557 + #558

. The armadillo

#559

in Yareiza too. The #560

found same place as rabbit.

#562

, 563, 564, 566

in Yareiza. #565 + 567

also

Yareiza #568, 569, 570 I think are from just west side the "city". Can't be certain of these. The

kids say they bite. The #571 was here to. Was #572.

#573

+ #574

were brought in by a little hunter. \$5 each. Since 22 shells cost \$5 each I decided it was a fair price.

O. Carolein
1967

Journal

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Yaviza, Darien Prov., Rep de Panama

Sept 23rd They shoot them with sling shots. #575
we see on the hill (cemetery) looking
down to the river. The 2 drummers are out
side playing & singing. Their melody is very
catching & they grin like crazy when they sing.
They throw their heads back & really enjoy
their sounds. I forgot to mention that we
bought #560 for 50¢ and
ate him for dinner. 50¢ is a low market price.
#576 came with a "little hunter".

Sept 24th #577 is the catch in the river for today.
#578 from roof of hut as
dead #582 #589

. The #579
a "little hunter" shot here in the city. The #580
that is now skinned we bought
for \$50 is the one, I think, that they wanted \$20.00
for alive. #581

#584

, #590

#593

are from the Socos proper.

#583 are from the river in front of town. They
come into us one by one or three or four at a
time usually. #585, 586, 587 are across from
Yaviza by the saw mill. #588
we paid 20¢ for. #591, 592

are from near the river on an old fort. A busy
day - didn't finish everything - will have

P. Cavallari
1967

Journal

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Yaveja, Darien Prov., Rep de Panama

- Sept 24th to finish everything tomorrow. Still no rain. Definitely a rain shortage for this time of year.
- Sept 25th Finished everything from yesterday, made plans for a possible visit from Dr. Pearson or Ward Russell. Spent afternoon (late) seeing if arrangements could be made. #594 from house in town. Small downpour for about 15 minutes. Now we have a little more drinking water than we did. If we don't get anymore animals we can go up river tomorrow or the next day. It makes a difference if one goes with the tide instead of against it. The trip is from 4 to 6 hours depending on amount of animals & how much bird catching. Relaxed in the afternoon a little.
- Sept. 26th overcast, no rain, warm as usual. Wrote Dr. Pearson about possibility of his & Ward Russell's coming. Have no idea of their possible response. With out knowing someone here, collecting would cost a fortune in time & money. It is necessary to have boat, motor, someone who knows the river, the Indians & their ways. Peter Hattery does & is & has been a fantastic help. For this reason I asked if the museum if they wanted to send someone down. Came to waste

C. Cavell
1967

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Journal
Yaviza, Darien Prov., Rep de Panama

Sept 26 the opportunity, but I imagine it will be
difficult on such short notice. Wrote letters.
595 + # 596
from roof of hut. # 597
is from Rio Chico 1 Km due E of Yaviza. Paid 20¢.
Packed for up river, got gas, bought supplies.
We went up Rio Chico to look for muss net
sites. We bathed & did washing in the River.
(the way the people here do) jump in with your
clothes on & wash yourself & them at the same
time. The fish beto if you stand still in
the water. They attach idle soap bubbles &
divers flip the second they land. On the
way back we stopped at the missionaries
who have lived here for 5 years. They have
lanana trees behind their house & said
we could set muss nets there for bats if
we wanted. Belderemo Dekia & En/sermedajillo
(his son) and their two families were hosts. They had
dinner for us & gave me a pair of ^{rubber flip-flops} ~~which~~ because
I had lost one of mine. We stayed til about
9 P.M. then headed home in the dark. Earlier
that day Peter taught me how to use the
motor & paddle & palanca. There are
channels in the river & some parts should
be known well before being used by a boat
with a motor.

C. Cavalier
1967

Journal
Yoveya, Veria Prov., Rep. de Panama

61

Sept 27 The

#598 & the

#599 were brought to us by a little hunter. One of Peter's Indian friends came to visit & since he was going up river we offered him a ride. While we were waiting for a snake someone wanted to sell, I took a flute like object off the wall & tried to play it. Could get no sound. Tasted him & he said that he had forgotten, but when he played I couldn't believe my ears. I am almost certain it was a Bach flute. The snake never arrived so we left for the river. Then we got 3 more Indians who wanted a ride. The piragua was heavy ^{& slow} because of all the baggage, people & another piragua which we had inside Peter's. About an hour up the river I spotted 2 little fat sticking up out of the water - I dead #600.

. Put it in the front boat & sitting half way back we could hardly reach. Shortly after we dropped off the Indians & headed for half way between mouth of Rio Tugues & Rio Uaganti. The still had a very bad odor. Lots of little forms on the way up. Very few birds - I was surprised. All the Indians were friendly & waved at us. The sun was hot but when the boat was moving

C. Cavallaro
1967

Journal
~~Catalogue~~

62

Rep de

4 Km N., 3.5 Km W of mouth Rio Tuguesá, Darién Prov. Panama

Sept 27

we didn't notice it. At the break, Valerio & Diego
we brought and drank the water which we
carry in chlorox (plastic) bottles. The river
water is very brown. When we run out of
water we will use the river with halazone.
We arrived after having driven (full speed)
for hours. We stopped at their farm,
baked our feet (because it has a motor) with
rice & people & drove up to their house.
The tanks are all muddy but they never
get this just as dirty as the Gringos.
Everyone goes bare foot - I have trouble
getting used to it even though it looks
clean & soft. We skinned the

and let it soak in the
river so the fish would eat some of the
meat. Since it was raining anyway (hard)
we decided it would get dry very fast so
we experimented. The houses (1 large room) are
on stilts & have no walls - just roof. They (we)
sleep on wooden floors. There are 3 families here
so there were 3 little tents & 2 mosquito
nets. For some reason they laughed when
we were putting them up. Their tents you
can see through & instead of one person
per tent (net) the entire family uses one.
For dinner we had fried plantain and

C. Cavalieri
1967

Journal

63

Repde

4 Km N., 3.5 Km W. mouth, Rio Yaguna, Darien Prov., Panama

Sept 27th

smoked curassow & guava which they had
killed a few days ago. Delicious & lots of
it. The children are well behaved. (four of them).
One girl (about 14 or 15) was painted black
Reason: she had just gotten married. They
enjoyed our lantern. The two bats # 601 &
602

we caught with an
insect net in the house. Peter & one of the
men tried to catch some of the begones
(with the net) who live under the house
with the pig & chickens & dogs. No luck.
They speak a little Spanish so the language
isn't too much of a problem. The rain
was the first they've had in a while. I hope
it's raining in Yaviza too because the
drinking water was low when we left.

Sept 28th

The formaldehyde doesn't smell as strong as
it should so instead of staying longer as planned
we will go back tomorrow & I'll go to Panama
for supplies (I really have to leave even for
a few days) & then come back up to collect.
We decided not to set nets because of bad
formaldehyde. I doubt the 2 bats will last.
The cat ate the hummingbird Peter was
raising - a shame since I've had kept it this
long! In the morning we took one of the
little boats (without motor) up the river

C. Carolew
1967

Journal.

64

7

Rep. do

cont.
Sept 28.

4 Km N., 3.5 Km W of mouth Rio Fegusa, Darien Prov., Panama
to look around. It was till $\pm 1^{\circ}$ then rain
in the afternoon. We found another

#603. It too was dead &

had an ader. Breakfast & lunch were the
same as dinner last night. Heavy rain for a
short time in the afternoon. The Indians eat
three Big meals a day. After the rain we went
down to the river to skin #603. We started
down river after the rain in hopes of getting to the
farm. We explored a little quebrada
then the rain came. After dinner 2 Indians
took us hunting. Walking barefoot to the pir
agua made me a little uneasy. The flash
light wasn't as bright as it could have
been. Up river about 20 minutes by motor
we took a quebrada (tributary). Here we
didn't use the motor. The current was strong
because the river is beginning to flood. We
saw several bats & Basalises. As a matter
of fact one ran right to the piragua to
say hello & is now #604

Peter shot #605

. He was

standing on a mud bank. The Indians laughed
because after the shot several ducks
flee away & we got a "useless bird." They
were hunting for food. The gun (22) is
there. Good shots. We brought shells.

#605 stomach contents shrimp,
vertebrae (fish?), packed
mud.

C. Cavaler
1967

Journal

65

Sept 28th

4 Km N., 3.5 Km W of mouth Rio Sugerua, Darien Prov., Panama ^{Rep. de}

We stopped at a rocky bank to get rocks for sling shot. We saw no mammals or birds the Indians wanted to eat. The

#606 Peter shot from about 100 feet. I couldn't even see it. Since it was about to rain, the clouds covered the moon & stars the night was dark. Heavy brush & very strong current made us turn back for home. Heavy rain on way home - I was very cold. We shot a \pm 5 foot. He thrashed around & then sank. We gone about 3 hours. It was a very wet evening even though we didn't get much.

#625 was caught
in a rice field.

Sept 29th

One Indian left the hut at 5³⁰ AM to hunt up river. He followed a tapir with a young all day but didn't get them. Peter gave the Indians some seeds & then we went down river to their farm. I took pictures for some time till an Indian had time to take us in the forest hunting. On Sept 11 (page 37) I wondered what it would be like & how it would be possible to hunt in all the swamp like forest. One just wades through it. But he did insist we (& he) wear shoes because of all the thorns. I didn't need because I had already fished in a thorn tree earlier & stepped on a branch or thorn. The

C. Cavelier
1967

Journal

66

Sept 29^{cont}

Rec de

4 Km N., 3.5 Km W. of mouth Rio Tuguesa, Darien Prov., Panama
are long & thin & painful AND hard to get out. We
wore the Indian shoes - too big for me (causing
sores when I walked) & too small for Peter.
The water was from ankle to knee deep most
of the time. The insects were bad only if one
held still. We crossed several streams that
were far enough away from the logs we
walked on to make me a little nervous. Our
guide hardly broke his stride. Amazing people.
The forest was dark. Several palm species.
We went to the place where they cut the Cedro
Esprinoza for their piragua. It was \pm 150 feet
high. They rolled it out & 3 men carried it to
the river. Amazing. We shot #607 & #608
fairly close to one another.
In the same thicket we shot #609

#610

#611

. Right on the border of the
rice fields & the forest our guide shot #612

. The old man got #613
with a machete. While
we were in the forest the Indian caught
by hand #614 & #615

We swam, ate lunch & all went back to the house
because the clouds were full & about to rain. While
loading the piragua I had to marvel at how the
Indians could carry (bare foot) 100 lbs sacs of

C. Paerl
1967

Journal

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Sept 29th ^{Rep de} 4 Km N, 3.5 Km W of mouth Rio Tugawa, Darien Prov., Panama
nice across a log that I couldn't even cross with
tools. Rain was heavy & long. Since I'm still
a little afraid to be out at night we decided
the best way to here it would be to float down
the Rio & camp on the boat further down
the Rio. The evening passed with only minor
incidences - no rain. I was very upset to
find the river had flooded (up \pm 4-5 feet)
and has taken #600 & 603

with it. The Indians & Peter dived for them
before we left ~~but~~ (8^{30 PM}) but no luck. We
had the senagua to a stump on a mud bank.
The river flooded only one more foot so there
was no problem. The evening was warm. Saw
a barn(?) owl, *Tasalisca*, frogs.

Sept 30th First thing I did was to remove the last of the
therms - my feet are very sore. There was heavy
mist but my raincoat didn't leak during the
night morning so no problem. We floated for
about 6-7 hours during which time we
saw the following birds: turkey vultures, black
vultures, striped heron, little blue heron,
neotropic cormorant, Green Ibis, spotted sandpiper
blue & gold Macaw, Ringed Kingfisher, woodpecker
(either Lined or Red Crowned), tropical kingbird
rusty margin flycatcher, (barn swallows?), Rough-
winged swallows, Mangrove swallows, blue headed

C. Cavalcini
1967

Journal

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^{cont}
Sept 30th Yaviza, Darien Prov., Rep de Panama
parrots, orange chinid parakeets, Red-bellied parrot and
or mealy parrot-capped heron. Arrived just
before dinner but too tired to eat so went
directly to bed. Forgot to mention #616

#617

As we were about to go swimming off the pieragua
these two little creatures decided to swim too.
Peter & I chased them in the boat & they were killed
with the paddle. We changed swimming holes.

#618

had in its
stomach sardines 1 large (56 mm) 3 small (40 mm),
shrimp, parts of other fish. He was shot from
boat.

October 1 #619

brought by a
also

little hunter. #620

by a little hunter. #621

was a surprise because the kids said they rarely
see them this time of year. The

#623 and

#624 were caught

in front of town. Went to El Real for baskets
for shipping, glycerine for the snake skin; gasoline,
The items cannot be purchased there. We have a
friend there who had the above. We were up
river when the gas boat came so we ^{almost} ran out.
Took people (4) back from El Real so the ride was
longer than usual. Saw a flock of purple
ducks (?) by El Real - we went in to get a 22+

#620 stomach contents
large grass hoppers only
crab and insects - no bones
any salt

C. Cavaler
1967

Journal

69

October 1 Yaviza, Darien Prov., Rep de Panama
raced back to try to find them. No luck. The
usual birds (in transit).

October 2 Spent quite a long morning packing alcoholics.
A few had rotted - again the bad formaldehyde.
When I got to Panama City Gwill put new formaldehyde
in all sack & repack with cheese cloth. The
skeletons are slow in drying & a few got moldy
while we were up river. Sooo! Also had to
remove maggots from boat-billed heron #605.
The afternoon was spent the same as the morning.
A little hunter brought us #626.
It was killed across the river from town. #627
a little hunter brought.

We went to dinner at John & Ruth Jenkins.
They are 2 of the 4 missionaries on Rio Chico
just outside Yaviza. The other 2 are Alec &
Sylvia Harwood. They live right by one
another. Some late. Light drizzle.

October 3 Set up 5 mist nets around the plantations & plants
in the backyard of the missionaries. See chart
& drawing for details. Warm day - threat of
rain. Still working. Clothes tend to mildew
easily. Necessary to air them frequently.
Nights usually warm. I use only a sheet, however
on occasions a blanket is nice. It's a little
cooler when it rains. Visited the town "jeweler".
Am going have a ~~beetle~~ horn set in gold & put on

C. Carlier
1967

Journal

70

- 2 mi E Yaviza, Darien Prov., Rep de Panama
- Oct 3rd cont. a small gold chain. \$3.00. Had dinner early & headed for the nets. The earliest bat was at 2:30 PM. We stayed up all night. There was a very slight mist most of the night. I was very cold and tired about 3:45 AM. Peter was better by either #641 or #643. Hence at 5:45 AM we jumped in the peragua & headed for El Real with the two bats. Bob Fish was going to Panama City & could have the bats checked for us. We hope if Peter must have rabies shots that they will send them so we can do it here instead of Panama City. Peter had to chase the plane down the landing strip, but we made it. Got the mail in El Real. Received Dr. Pearson's check for \$150.00 which pays for what I have spent in Costa Rica & here & leaves a little for buying animals the kids bring in. Also in El Real we checked for the shot gun that was supposed to have been sent me. No luck. Bought some alcohol since I couldn't get formaldehyde. Will use it till Oct 9th when I plan to go to Panama City for supplies. It takes so long to do everything here. Finally at 1:00 we took a nap till four. Tended the mist nets upriver & came back for dinner. The kids brought #671

C. Cavaler
1969

Journal

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Yaviza, Darien Prov., Rep de Panama

October 4 #672

#673

From the bat nets came # 668

#669

& #670

From the leaves of the sugar cane came #
#674 & 675

By the way one
eats sugar cane by cutting off hard outside
& chewing & sucking on center of cane, then
throwing away the fibrous part there is more
cane underneath. Needless to say I fell asleep
early because of no sleep last night. Rain.

October 5

Became quite sick to my stomach at 3^{AM}. Had
a hard time sleeping - had chills & then was too
hot. I awoke this morning feeling great!!
must have been something I ate. Boy, do I
miss American food about now. When I get
to Panama City I plan to spend at least 1/2 the
time eating. Warm day - over cast, dark
clouds. Hope it doesn't rain tonight because
I want to stay up & get bats again. Wrote letters
Am weeks behind in correspondence. Tried to net
in the afternoon but it was too hot. On way to bat
nets up river some Indians stopped us and gave
us #681

in exchange for a caiman.

They say they aren't common near the river where
it was found. The people in town believe it is
the mother of the coral snake & very
dangerous. Rain early in the evening so bats

C. Cuvillier
1967

Journal

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1/2 mi E Yaveiza, Rio Chico, Darien Prov., Panama
October 5 off to a slow start. See time table. got two
hours sleep total during the night. Very tired.

October 6 many more bats after 12 midnight than
the other night. # 718 was

found under a house. # 719

in a 15 foot high net between two palm trees.

720

on lawn. # 721

was "captured alive" at side of
town. They call it "chicken of the mountain"! Tried
to raise it but with no luck. He became very
weak. Tonight is the big night. The five
best little hunters, Peter & I are going frog
hunting. It is dry - very dry - for this time of
year & we are almost out of drinking (rain)
water so I haven't very high hopes for
a huge catch. We went across & up the
river a little. Saw nothing. We stopped
at the Yaveiza saw mill & scouted around. Under
some large (dia 2 feet) logs we found # 722

• Also here we found # 723

, # 724

, # 725

, # 726

Just a
few hundred yards further on our weeds we
found # 727

+ 728

These few little frogs having taken so long to
find we decided to wait for a rain before
we have an organized frog hunt again.

C. Caven
1967

Journal

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Yareza, Darien Prov., Rep de Panama
October 6^{cont.} #729 from a little hunter.

Oct. 7 It drizzled during the night. But a very hot day. Everyone just sits around when it's this hot. From the nets we left up (over 10' high) we got #730, #731

#732

, #733

#734

, #735

#736

#737

The three birds #738

, #739

, #740

in net #2 which was 6' at the bottom.

#741

, #742

#743

on the banks of Yareza.

Right now I am being entertained by the 2 little hunters who are dancing. They sort of dance behind the door & then dance into the room a little then race out. They are dancing to the trio who are practicing a few houses away. From the time the birds saw us, they are encouraged to dance - And they can. Threats of rain again. Late shower about 4^{PM} Heavy rain about 5⁰⁰. The rain clouds are almost out again.

October 8 I am going to Panama City tomorrow. Got another letter from the Shermans (live in the Canal Zone) saying they don't if I'll be able to get through the quarantine at the airport. For

C. Cavalieri
1967

Journal

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Yaviza, Darien Prov., Rep de Panama
October 8 This reason everything will be alcoholics. The
guards will understand that if the specimen
is alcohol that they can't spread hoof and
mouth disease, but skins they won't
understand. In the morning #744
, 745

746 were brought by little
hunters from Yaviza. #747, 748, 752
were from the banks across
from town. #749 #751
, #751 came

from the populated part of town. #753
, 754, #755
, came from edge of town.

#756 , 757 ,

758 , 759 ,

760 , 761 ,

762 , 763 ,

also from town. #764 ,

767 , 768 ,

769 , 770 ,

771 same from across the
river. The two baby #765
and #766 from town as did 772

. Normally I would make
skins out of most of the birds & mammals but
the optosa is really much to do in Darien.

C. Cavallen
1967

Journal

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Yaviza, Darien, Rep de Panama

Oct 8^{cont} Went to El Real today - check results of test. Told that no injections were necessary for Pitu. Heavy rain on the way home - cold. Rain light most of the evening.

Oct 9 Sick during the night again - chills, then hot again. Felt very well in the morning. Took ADSA (\$0.50) to Panama City. I recommend flying from El Real not Yaviza. Taking off from Yaviza is such an experience AND the airfield has been condemned several times. As a matter of fact I recommend taking a boat. If it weren't for such careful examination of boat cases etc on the boat I would have taken it. We flew through clouds & rain, and the pilot was not in communication with anyone. No problem at Paitilla airport. My friends Lt & Mrs. Williams & Sherman had Lt. F. Lerezo Purcell of the National Guard meet me so no one checked my bags. Lt. Purcell also sent me a 12 gauge shot gun, a 22 and some shells - most of which I received. He sent them through the Guardia which isn't what we say on the hip & up. I am staying in the zone with Bill & Ellen.

C. Cavalier
1967

Journal

75

~~Panamacity~~, Canal Zone, Rep. de Panama
October 9 Sherman. They spent the afternoon helping
me get formaldehyde, plastic bags, etc.
Amazing that we did so much. Without
them I would still be at the airport. Rain.
Warm. Had HOT shower - Spent air conditioned
room & it felt cold. Went to officers canteen
for dinner

October 10 Can't find Heggans Eternal Black ink
anywhere - using Script permanent -
Finally found "cheese cloth" in the zone
not Panama City. The labels from M02
were here when I arrived so I started
new tags for the specimens I have
made ^{temporary} tags for. Also wrapped for
shipping those which I had finished.
In total I have to write \pm 400 tags.
I change the formaldehyde ~~and~~ alcohol
of each plastic sack, wash off the
specimen ~~and~~ wrap it & put it in
new plastic bags. Visited the Dr.
he pains in my chest, coughing & stomach
aches. He tested for t.B. w/ chest X-ray
& skin test. Tomorrow morning they
take ~~they take~~ blood samples, urine
sample & stool specimens. Some rain,
warm, humid. We went to dinner
at Club Panaman. Excellent food.

C. Cavalier
1967

Journal

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Canal Zone, Rep de Panama

Oct. 11th 7⁰⁰ AM finds Carolyn at Doctor's. (had to go 2 other times during day) A day of relapsing, surging. Short nap. Warm day, rain heavier but not heavy. Dinner at the Shermans where I am staying. To sleep early 10³⁰

Oct. 12th Ellen Sherman took me to lecture on Panama & the U.S. A.F. 50. given by Bill Sherman. More packing & making new tags. Dr. at 11:00. Really don't understand exactly what it is I have but he gave me penicillin for it. Some sort of bacteria & strep throat (but my throat isn't sore!) Also getting a game globulin shot. With all the illness in Barro I consider myself VERY lucky not to have anything serious! Fied, without doors to locate some friends of Peter's to give message. Sent telegram to Yarema (in Spanish) from Post Office. Only possible certain hours (check before venturing out to try to find it)

Oct 13. more retagging & packing - Ellen & I went to culture program Bill arranged. got gamoglobulin # 773

774

, # 775

776

, # 777

were caught under the drain which runs under the drive way. They are there every night.

C. Cavalier
1967

Journal

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Albrook Air Force Base, Canal Zone

Oct ~~10~~¹⁰ These (# 778 → 809) were collected by Peter Slattery in Yaveya. The only data I have is that # 782

was killed with a blow gun by an Indian.

Oct. 11 Collected by Peter Slattery in Yaveya

Oct 12 Collected by Peter Slattery in Yaveya

Oct 13 Collected by Peter Slattery in Yaveya

~~Oct 14~~ Taboga Island, Rep de Panama

Oct 14 Almost anyone can tell you where to get babt. \$1.00. 2 hotels - Recommended Chans - \$3.50 per night without food. 2 general stores but get anything you might need before leaving main land. The kids brought all the "goodies". I stayed only a few hours so not enough time to see where they collected. Will return if possible. # 839

in tree in zone 5³⁰ PM

Yaveya, Darien Prov., Rep de Panama

Oct 14 Collected by Peter Slattery in Yaveya

Oct 15 These 3 skulls were gifts given me by the Indians. The date they were killed is not known nor exact location

The lower jaws are all missing

Oct 17 ~~Albrook Air Force Base, Canal Zone~~
crates made & packed. Total weight 100 lbs. exactly - Used straps of metal to discourage customs. Have no permits 2 crates alcohols, 1 skeleton, 1 skins.

C. Cavallin
1967

Journal

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Albrook Air Force Base, Canal Zone.

Oct 18

Pan. Am. for air freight. Call office for directions. Cost \$70.00 for 100 lbs. Planes do not leave every day check Pan American Airways air flight office. Speak English if necessary. No one asked for my collecting permit or shipper permit (export or import). I'm not certain why but I think its one of 3 reasons. First they were a little bewildered that a girl would send "this sort of thing" Second - return address I used Air Force Academy so crates were going from Academy to University. Third I was with Bill Sherman who speaks Spanish so well they didn't believe he was American except that he was in uniform. New conservation laws went into effect a few weeks ago AND no export of animals is allowed from here because of severe hoof & mouth disease. none of the animals I took out could have carried it because they were either alcoholics or ~~treated~~ skeletons or skins treated with arsenic. I smiled a lot but acted as if I knew exactly what I was doing. I hope it works! next time telegrams are 50¢ per word even in the

C. Cavalier
1967

Journal

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Oct 18

Albrook Air Force Base Canal Zone
address. I suggest a phone call - its
cheaper. (try military radio MARS if
possible) Contacts in the Canal
Zone are invaluable. I recommend
speaking Spanish to every Latin even
if he speaks English. This impresses
them & they love it. Peace Corps
contacts are also invaluable. They
know many of the "little things" that
make all the difference. (Where to get
what inexpensively, where to stay, who
can help you in out of the way places,
what families to visit, who to watch
out for (very imp.)).

Oct 21

Taboga Island, Rep. de Panama
Since Peter Natter was in Panama for
rabies shots he & I & several other peace corps
volunteers decided to go to Taboga Island. Since
there was no doctor there, I gave Peter the
shot. We met 2 men who were stationed there
& they showed us
some reason on the far side of the island. In-
stead of going around the island by boat (which
I recommended) we walked through the forest &
down very steep & slippery hills. Getting back up
the hills was difficult & I don't suggest it.
& the tide had been low we could have

C. Cavaler
1967

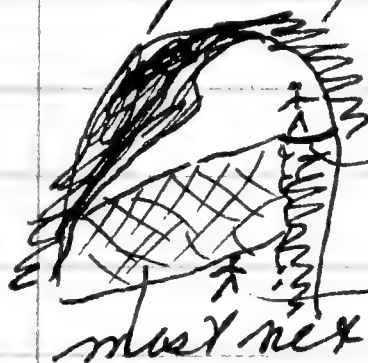
Journal

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Oct 21

Vaboga Island, Rep de Panama

walked on the rocks around the island. To get to Vaboga is easy. Laender 9 once a day during the week & very often on weekends. The island is like a storybook. Little curving streets lined with flowers & trees. The bats were about 20 feet up. They were clustered in two groups. They weren't still - some were crawling down the walls & others were moving their heads around. Every 5 min or so one would fly from the group, circle & then land again in the pile of bats. I'd guess about 200 of them.



ledge where Peter stood - Henry & Don were on side the cave & three rocks at the clusters of bats. Some fell dead & other were frightened & stunned & would try to fly out. Only about 10 were caught in the must net. Most flew out high up where Peter was. He had a fishing landing net & swung at them as they flew out. This stunned them more. He would then drop them to me & I injected them ^{with formaldehyde}. Some got away before I could inject them. We laughed the entire time because there were bats & stones flying everywhere. I am certain we lost about 30 bats because they fell

C. Caceres
1967

Journal

81

Oct 21

Taboga Island, Rep de Panama
through the rocks on the cave floor & we
couldn't reach them & we didn't bring
flash lights. About 6 people inquired about
my authorization to catch bats on Taboga.
I explained that the University of California
had made all arrangements for me & I
wasn't exactly certain what channels
they used to do it. My, my, its a good thing
no one wanted to see the permits (which
don't exist.) The bats # 843 - 891.

Oct 22

From a fresh water sewer & stream combination
came # 909 a collection of tadpoles &
frogs. # 892 - # 907 were collected
from all over the island. They are EVERYWHERE.
Got a ride in a truck (only one on island -
no cars only 1 jeep for army) up to the radar
sight. Great view of Panama & all the
islands around & the ships waiting to get into the
canal. # 908 on wall
of cement.

~~Oct~~

Panama City ^{and} Darien Prov., Rep de Panama

Oct 30

Left hotel Bella Vista (\$2.50 per night) at 5 AM
Went to Patilla air port (\$1.00) & to TASA
air lines. The Gavina air ship is now
condemned so one must fly to El Real
& take boat to Gavina. ADASA has boat
at Gavina that waits for airplane but

C. Cawley
1967

Journal

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Oct 30

Darien Prov., Panama

at El Real is has nothing. AD5A is a 2 engine plane (had an accident 3 days ago but no one hurt). TASA is an antique one engine but it has a jeep (at El Real) which can take one to the river to catch a boat to Yaviza. The reason I stayed in Panama City for so long was that Peter was getting his rabbit shots & I didn't want to be in Yaviza alone. I'm certain that is being super cautious but... took TASA - this time only 6 in plane - was much more comfortable. Landed at Yaviza: La Palma - farm town - amazingly little fishing - shrimp boats but not actually from La Palma - no hotel landing field long - capital of Darien Place corps there I cleared land because there are many Chiriguano who farm Garachiné - landing field long & bumpy - moderate clearing - pop \approx 500. no place corps, no missionary - no hotel horses -

Sambu - landing field bumpy - extensive clearing near town - many Indians river to Sambu is navigable by shrimp boats - no hotel - Dick Scott is missionary who might be able to

C. C. Cullen
1967

Journal

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Oct 30.

Darien Prov. Rep de Panama
give information re renting of boats or
horses pop. less than 500. Rivers
good for transportation.
People are friendly. If one wanted to,
one could go to any town in Darien (with
permits) talk to the Guardia & he
might find a place to stay in one of the
houses. As a gift for spending the night
(rather than paying money) 22 shells
would be great. (\$100. per night) ~~per~~
American canned food also good gift.
It is best not to pay them in money when
they do you a favor (like spend the night)
& however you rent a boat & a boatman
pay in dollars. Boat, boatman (highly
recommended) and motor should be
no more than \$5 for ~~boat~~ motor, \$ for
boatman, \$1 for boat plus gas. For
a collecting trip you might want a marinero
(pole man) about \$2.00 a day. The
upper rivers frequently require poling
rather than motors. These people
should ~~be~~ cook & set up camp for
above price. There is a Doctor in El
Real, La Palma & maybe Jaque.
Telegraph in Yaviza, El Real, & La Palma
maybe Jaque. The river water is not

C. Paulsen
1967

Journal

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Darien Prov., Rep de Panama

Oct 30

drinkable without purification tablets. Common diseases: T.B., hepatitis and amoebic dysentery. Staphylococcus infections are common with cuts etc. If food is bought in quantity & transported here by boat it is cheaper than buying it in Darien. Coca Cola is everywhere (frequently cold) if one doesn't want to drink town water. I am told the liquor is terrible. Always ask Peace Corps & missionaries for help. One can buy good fresh bread early in the morning in ~~most~~ towns. If you want the kids of the town or "monte" to help collect bring lots of rubber tubing. ±15¢ per foot if you buy 50 feet at one time. Get this in Panama City.

After landing in El Real we went up the Rio Pirre & visited an Indian family. We used machette several times to cut path through fallen trees in the river. We got to Yaviza (after rain) in time for dinner. The kids brought # 910 - 917 from town.

Oct 31

918

was found in the little stream in town. Tried to force feed him but he would ^{not} eat so he is now a specimen. # 918 - 924 are all from town



C. Carls
1967

Journal

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Oct 31

Yaviza, Darien Prov. - Edge Panama

#927

* #928

were caught in houses. #929 + 930

from edge of town. Rain not heavy
though lasted a long time.

Nov. 1

#931

#932

#935

in trees in town #933

#934

and 940

from houses. #936 ~~from~~

from

from brushy area. #937

#938

#939

in town. #941

under house. #942

#943 edge of town.

Nov. 2

All souls day - parade in town by school
kids. #944

from house. #945

#949

#950

, #951

#952

are from town. #953

was said to have come

from town but I have never seen ~~one~~ one in town.

He was brought in soaping wet. He sort of squeaks
when held for a long time. I gave him a
bath because he was muddy & he squeaked
the entire time. With 4 little hunters we
went across & up river. We saw very few
birds. #946

was shot ± 200

yards from the river. #947

C. Cavallini
1967

Journal

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Yaviza, Darien Prov., Barro Colorado
Nov. 2 was shot in dense brush about 2 1/2 mi from river.
The week was up & down, hills & hot. # 948
was shot from tree ± 75 feet up.

I got only the skull & don't know what sex it
is. Light rain ± 1 hour.

Nov. 3 # 948 (skull only) was part of
breakfast this morning. Not bad really.
Ends # 954 # 957

from town. # 955
and # 956. from same house with
thatched roof. Another parade - this one to
celebrate Panama's independence from
Colombia. # 959 & # 960

from across the river from Yaviza found in grass.
Nov. 4 # 962 by little hunter
who said he got it in a tree. # 963 - 973

are from pajá roofs
in town. Method of catch same as up
river with the Indians. Take the roof &
when the bats fly out catch them in a
fish catching net. This causes some confusion
because dirt falls & bats fly all over.
Very heavy rain for about 15 minutes only.
overcast in morning, hot day, heavy rain,
then clear night & sky.

Nov. 5 Very hot - spent most of the day taking
pictures. # 974 - 991 from Yaviza.

C. Cavalier
1967

Journal

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Yaviza, Darien Prov., Panama

Nov. 6 To El Real - Pito has something in his foot & we can't get it out. 2 hrs. wait for doctor. I bought a little wooden (coco bolo) armadillo made by some Indians. # 992 - 997 are from Yaviza shot by little hunters. Some rain - VERY hot tonight $\pm 8^{30}$ PM

Nov. 7 # 998, # 999, # 1001 from across the river from Yaviza - still considered Yaviza by people here. # 1000 from pajá roof in town. # 1002 & 1003 Yaviza.
overcast very little sun but very warm. about 8 Indians visiting - confusion. I packed to go up river tomorrow.

Nov 8-12 #1007 1008
by little hunters. Up river - bought 2 "little cats" One acedot & one margee. Both were \$10.00 each. Also bought one ^{\$2.00} parrot & a macaw \$4.00.

Nov. 13 #1017 → 1056 little hunters brought.

Nov 14 1057 → 1074 " " "
Packing to go to Panama. Almost all time playing with two cats & two gibsons. (\$5.00 each) Gibsons smell much very poorly. Eat each meal as if they hadn't eaten in days.

C. Cavalieri
1967

Journal

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- Yaviza, Darien Prov., Panama
- Nov. 14 cont. Peter's friends gave going away party for him.
- Nov. 15 Plane to Panama
- Nov. 26 The #1075 I bought up
river dead. I think the parrot is shared
the cage with pecked it to death. Two
days ago it had checked by vet & was
all right.
- Nov. 27 Shipment to MVZ. Also sent the
two cats & two grasshoppers & one parrot
home. Cages had to be built
to special measurements. They did
ask for health certificates for
animals but not for specimens
for MVZ.



